

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 6, 2004, 13:59:56 ; Search time 580.121 Seconds

(without alignments)
9931.007 Million cell updates/sec

Title: US-09-729-264-1

Perfect score: 1175

Sequence: 1 ctgtctgccatctgaataa.....gtaatacaactagtatag 1175

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Lasting first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/prodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/prodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/prodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/prodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/prodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/prodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:*
- 10: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:*
- 11: /cgn2_6/prodata/1/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/prodata/1/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/prodata/1/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/prodata/1/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/prodata/1/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/prodata/1/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/prodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1125.4	95.8	2051	16	US-10-104-047-1104
2	269	22.9	474	10	US-09-918-995-3342
3	190.4	16.2	401	9	US-09-864-761-16305
4	142	12.1	398	9	US-09-983-955-4945
5	50.6	4.3	775	13	US-10-424-599-16675
6	46	3.9	2706	13	US-10-620-514-4
7	46	3.9	3577	14	US-10-008-739A-1
8	46	3.9	11004	13	US-10-620-514-1
9	45	3.8	1097	13	US-10-424-599-10899
10	45	3.8	1511	17	US-10-437-963-61590
11	44.8	3.8	616	13	US-10-085-783A-1932
12	44.8	3.8	616	16	US-10-242-535A-1932
13	44.8	3.8	1310	9	US-09-849-243-13
14	44.8	3.8	1876	13	US-10-388-360-336

c	15	44.8	3.8	2614	10	US-09-822-846-491	Sequence 491, App
c	16	44.8	3.8	3263	9	US-09-849-243-15	Sequence 15, Appl
c	17	44.8	3.8	4286	9	US-09-849-243-14	Sequence 14, Appl
c	18	44.8	3.8	5085	15	US-10-138-846-9854	Sequence 9854, Ap
c	19	44.8	3.8	6604	9	US-09-880-107-1748	Sequence 1748, Ap
c	20	44.2	3.8	2790	15	US-10-029-386-22626	Sequence 22626, A
c	21	44.2	3.8	7568	16	US-10-133-937-60	Sequence 60, Appl
c	22	44.2	3.8	7568	16	US-10-159-563-60	Sequence 4844, A
c	23	44	3.7	299	10	US-09-814-353-4844	Sequence 11141, A
c	24	44	3.7	299	10	US-09-814-353-11141	Sequence 5368, Ap
c	25	44	3.7	385	10	US-09-814-353-5368	Sequence 11655, A
c	26	44	3.7	385	10	US-09-814-353-11655	Sequence 151, App
c	27	44	3.7	455	9	US-09-728-444-151	Sequence 11473, A
c	28	43.8	3.7	1810	13	US-10-425-114-11473	Sequence 91736, A
c	29	43.8	3.7	1825	13	US-10-424-599-91736	Sequence 1699, Ap
c	30	43.8	3.7	88232	13	US-10-087-192-1699	Sequence 22908, A
c	31	43.6	3.7	698	15	US-10-029-386-22908	Sequence 95848, A
c	32	43.6	3.7	1093	13	US-10-424-599-95648	Sequence 27295, A
c	33	43.6	3.7	4204	16	US-10-369-493-27295	Sequence 93, Appl
c	34	43.6	3.7	4321	13	US-10-058-270A-93	Sequence 418, App
c	35	43.6	3.7	4321	13	US-10-342-887-418	Sequence 418, App
c	36	43.6	3.7	4321	13	US-10-172-118-418	Sequence 35, Appl
c	37	43.6	3.7	4321	15	US-10-208-823-35	Sequence 10819, A
c	38	43.6	3.7	4393	15	US-10-198-846-10819	Sequence 544, App
c	39	43.4	3.7	384	9	US-09-738-626-544	Sequence 127608, A
c	40	43.4	3.7	1431	13	US-10-424-599-127608	Sequence 26238, A
c	41	43.4	3.7	2045	13	US-10-425-114-26238	Sequence 17, Appl
c	42	43.4	3.7	2421	17	US-10-655-799-17	Sequence 475, App
c	43	43.4	3.7	3302	15	US-10-037-270-475	Sequence 475, App
c	44	43.4	3.7	3302	16	US-10-117-722-475	Sequence 16, Appl
c	45	43.4	3.7	4188	17	US-10-473-670-16	

ALIGNMENTS

RESULT 1

US-10-104-047-1104
; Sequence 1104, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1e1 full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1104
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1104

Query Match	95.8%	Score 1125.4	DB 16	Length 2051
Best Local Similarity	99.9%	Pred. No. 0		
Matches 1126	Conservative	0	Mismatches	1
			Indels	0
			Gaps	0
Qy	49	ACGTTCTGGTCTGGTAAATGAAGTCATAGAGGCCGCCAGATGCAACAGTCTCTGAAGG	108	
Db	201	ACGTTCTGGTCTGGTAAATGAAGTCATAGAGGCCGCCAGATGCAACAGTCTCTGAAGG	260	
Qy	109	GTTCCAGGCTCGTTCAATGACCGTCTCCAGGGCTGGAGCTCATCATGTGGCTC	168	
Db	261	GTTCCAGGCTCGTTCAATGACCGTCTCCAGGGCTGGAGCTCATCATGTGGCTC	320	
Qy	169	TCAGTGACATGGTGGTCTAAGCGTCAGGCCCATGAGGCCCATCATCAACATACCGCT	228	
Db	321	TCAGTGACATGGTGGTCTAAGCGTCAGGCCCATGAGGCCCATCATCAACATACCGCT	380	
Qy	229	TCACCTCTCAGAGGTACGACGCGGGGAACTTCACCTCGGAGATGATCATCCACAATG	288	

Mon Aug 9 13:53:30 2004

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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 16305
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF121782.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
; US-09-864-761-16305

Query Match      16.2%; Score 190.4; DB 9; Length 401;
Best Local Similarity 97.0%; Pred. No. 2.2e-47;
Matches 194; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 42 TTCTCCACGGTTCTGGGTTCTGTAATGAAGTCAATAGAGCCGCCAGATGCAACAGTC 101
DB 202 TACCTCCAGTTCTGGGTTCTGTAATGAAGTCAATAGAGCCGCCAGATGCAACAGTC 261

QY 102 CTGAAGGGTCCAGAGTCCGTTCACTGACCGTCTCCAGGGCTGGAGCTCATCATG 161
DB 262 CTGAAGGGTCCAGAGTCCGTTCACTGACCGTCTCCAGGGCTGGAGCTCATCATG 321

QY 162 TGGGCTCTAGTCACATGTTGGTGTAAAGCTGAGGCCCATGAGCCCATCATCAACAT 221
DB 322 TGGGCTCTAGTCACATGTTGGTGTAAAGCTGAGGCCCATGAGCCCATCATCAACAT 381

QY 222 GACCGCTTACCTCTCAGAG 241
DB 382 GACCGCTTACCTCTCAGAG 401

RESULT 4
US-09-983-965-4945
; Sequence 4945, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4945
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Bos taurus
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; FEATURE:
; OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9
US-09-983-965-4945

Query Match      12.1%; Score 142; DB 9; Length 398;
Best Local Similarity 74.8%; Pred. No. 1.5e-32;
Matches 178; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 24 GAGATGGGGCTGTGTGATTTCTCCACGGTTCTGGGTTCTGGTAATGAAGTCAATAGAGGC 83
DB 161 GTGCTGGTGGTCTGCTGGCGCTGCTGCAGCCCTGTGATCCAGCAGTGAATCATAGAGGT 220

QY 84 CCCAGAAATGCAACAGTCTCTGAAGGGCTCCAGGGCTGCTTCACTGACCGTCTCCAG 143
DB 221 CCCAAGAATGTCACAGCCCTGAAGGGCTCGAGGGCTCGCTTCACTGACCGTCTCCAG 280

QY 144 GGCTGGAAGCTCATCATGTGGGCTCTCAGTGACATGGTGTCTAAGCGTCAAGGCCCATG 203
DB 281 GGCTGGAAGCTCTCATGTGGGCTCTGAGAGGCACAGTGGTGTGAGCATGACACCTAAT 340

QY 204 GAGCCCATCATCAACCAATGACCGCTTCACTCTCAGAGGTACGACCGGGCGGAACT 261
DB 341 GAGACCATCATCAACCAATGACCGCTTCACTCTCGGCAAGCTACCAAGAGGCGCGAACT 398

RESULT 5
US-10-424-599-16675/c
; Sequence 16675, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 16675
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_115063C.1
US-10-424-599-16675

Query Match      4.3%; Score 50.6; DB 13; Length 775;
Best Local Similarity 73.0%; Pred. No. 0.00026;
Matches 65; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCCCGCTGTTGTTGTGGTCAACTGCTGCGGTGTTGTTGTTCT 867
DB 710 GTTGCTGCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 651

QY 868 GCTGTAGAAGAAAAGAGGATTTCTGATT 896
DB 650 GCTGCTGCTGCTGCTGAGCCCTTTGTAAT 622

RESULT 6
US-10-620-514-4/c
; Sequence 4, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Attar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jacek
; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
```



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; TITLE OF INVENTION: UNDER THE REGULATION OF ANDROGEN RESPONSE ELEMENTS
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; PRIOR FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 2706
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-620-514-4

Query Match          3.9%; Score 46; DB 13; Length 2706;
Best Local Similarity 61.9%; Pred. No. 0.015;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 762 CTAGCAGGCACCATGCTTCTGAGCGGACGCTGTACTCTTACATACGCTGCTGCTGC 821
Db 632 CCAGTGGCCTCCCTTCTCTCAGCTGCTGCTCCCTTCGGATATTACCTCCTGCTGCTGT 573

QY 822 CGCGGCTGTTGTGTGGCTGCAACTGCTGCTGCCGTTGTTTCTGCTGTAGAGAA 879
Db 572 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 515

RESULT 7
US-10-008-739A-1/c
; Sequence 1, Application US/10008739A
; Publication No. US20020161194A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Castleberry, Tessa A.
; APPLICANT: Lu, Bihong
; APPLICANT: Owen, Thomas A.
; APPLICANT: Smock, Steven L.
; TITLE OF INVENTION: The Canine Androgen Receptor
; CURRENT APPLICATION NUMBER: US/10/008,739A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3577
; TYPE: DNA
; ORGANISM: Canine
US-10-008-739A-1

Query Match          3.9%; Score 46; DB 14; Length 3577;
Best Local Similarity 65.7%; Pred. No. 0.018;
Matches 67; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 776 GCTTCTGACGCGACGTCTACTCTTACAAATACGCTGCTGCCCGCGTGTGTTG 835
Db 633 GCTGCTGCTACTCTCTGATCTACTCTCTGCTGTTGCTGCTGCTGCTGCTGCTG 574

QY 836 TGGCTGCAACTGCTGCTGCCGTTGTTTCTGCTGTAGAG 877
Db 573 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532

RESULT 8
US-10-620-514-1
; Sequence 1, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Attar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jacek
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; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; PRIOR FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11004
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: artificial nucleic acid construct
US-10-620-514-1

Query Match          3.9%; Score 46; DB 13; Length 11004;
Best Local Similarity 61.9%; Pred. No. 0.039;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 762 CTAGCAGGCACCATGCTTCTGAGCGGACGCTGTACTCTTACAAATACGCTGCTGCTGC 821
Db 10641 CCAGTGGCCTCCCTTCTCTCAGCTGCTGCTCCCTTCGGATATTACCTCCTGCTGCTGT 10700

QY 822 CGCGGCTGTTGTGTGGCTGCAACTGCTGCTGCCGTTGTTTCTGCTGTAGAGAA 879
Db 10701 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 10758

RESULT 9
US-10-424-599-10899/c
; Sequence 10899, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 10899
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_109851C.1
US-10-424-599-10899

Query Match          3.8%; Score 45; DB 13; Length 1097;
Best Local Similarity 83.6%; Pred. No. 0.017;
Matches 51; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCCGCGTGTGTTGTGCTGCAACTGCTGCTGCCGTTGTTTCT 867
Db 548 GCTGCTGCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 489

QY 868 G 868
Db 488 G 488

RESULT 10
US-10-437-963-61590
; Sequence 61590, Application US/10437963
; Publication No. US2004012343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
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; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1310 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;     NAME/KEY: exon
;     LOCATION: 1..1310
;   SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-849-243-13

Query Match          3.8%; Score 44.8; DB 9; Length 1310;
Best Local Similarity 81.2%; Pred. No. 0.022;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCGCGCTGCTGTTGCTGCTGCAACTGCTGCTGCTGCTGCTTCT 867
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Db 336 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 277

QY 868 GCTG 871
      ||||
Db 276 GCTG 273

RESULT 14
US-10-388-360-336/c
; Sequence 336, Application US/10388360
; Publication No. US2003022528A1
; GENERAL INFORMATION:
; APPLICANT: GENOMIC HEALTH
; APPLICANT: Baker, Joffre B.
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Kiefer, Michael C.
; APPLICANT: Shak, Steve
; APPLICANT: Walker, Michael Graham
; TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
; FILE REFERENCE: 39740-0001US
; CURRENT APPLICATION NUMBER: US/10/388,360
; CURRENT FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/412,049
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/364,890
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 384
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 336
; LENGTH: 1876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-360-336

Query Match          3.8%; Score 44.8; DB 13; Length 1876;
Best Local Similarity 81.2%; Pred. No. 0.028;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCGCGCTGCTGTTGCTGCTGCAACTGCTGCTGCTGCTGCTTCT 867
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Db 479 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420

QY 868 GCTG 871
      ||||
Db 419 GCTG 416

RESULT 15
US-09-822-846-491/c
; Sequence 491, Application US/09822846
; Publication No. US20030027139A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
```

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; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steining II, Robert J.
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6400
; CURRENT APPLICATION NUMBER: US/09/822,846
; CURRENT FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,605
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 491
; LENGTH: 2614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-846-491
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Query Match          3.8%; Score 44.8; DB 10; Length 2614;
Best Local Similarity 76.4%; Pred. No. 0.035;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCGCTGCTGTTGCTGCTGCAACTGCTGCTGCTGCTTCT 867
      |||||
Db 2179 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2120

QY 868 GCTGTAGAAGAA 879
      |||||
Db 2119 GCTGCTGCCGCA 2108
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Search completed: August 6, 2004, 19:28:58
Job time : 582.121 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 6, 2004, 13:59:56 ; Search time 576.665 Seconds

(without alignments)
9931.007 Million cell updates/sec

Title: US-09-729-264-3

Perfect score: 1168

Sequence: 1 agtgcacgtgtggcaggag.....gtaatacaactgtagtatag 1168

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/1/pubpna/US05_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1119.6	95.9	2051	16	US-10-104-047-1104
2	269	23.0	474	10	US-09-918-995-3342
3	196.8	16.8	401	9	US-09-864-761-16305
4	136.2	11.7	398	9	US-09-983-965-4945
5	50.6	4.3	775	13	US-10-424-599-16675
6	46	3.9	2706	13	US-10-620-514-4
7	46	3.9	3577	14	US-10-008-739A-1
8	46	3.9	11004	13	US-10-620-514-1
9	45	3.9	1097	13	US-10-424-599-10899
10	45	3.9	1511	17	US-10-437-963-61590
11	44.8	3.8	616	13	US-10-085-783A-1932
12	44.8	3.8	616	16	US-10-242-535A-1932
13	44.8	3.8	1310	9	US-09-849-243-13
14	44.8	3.8	1876	13	US-10-388-360-336

C 15	44.8	3.8	2614	10	US-09-822-846-491	Sequence 491, Appl
C 16	44.8	3.8	3263	9	US-09-849-243-15	Sequence 15, Appl
C 17	44.8	3.8	4286	9	US-09-849-243-14	Sequence 14, Appl
C 18	44.8	3.8	5085	15	US-10-198-846-9854	Sequence 9854, Ap
C 19	44.8	3.8	6604	9	US-09-880-107-1748	Sequence 1748, Ap
C 20	44.2	3.8	2790	15	US-10-029-386-22626	Sequence 22626, A
C 21	44.2	3.8	7568	16	US-10-133-937-60	Sequence 60, Appl
C 22	44.2	3.8	7568	16	US-10-159-563-60	Sequence 60, Appl
C 23	44	3.8	299	10	US-09-814-353-4844	Sequence 4844, Ap
C 24	44	3.8	299	10	US-09-814-353-11141	Sequence 11141, A
C 25	44	3.8	385	10	US-09-814-353-5368	Sequence 5368, Ap
C 26	44	3.8	385	10	US-09-814-353-11655	Sequence 11655, A
C 27	44	3.8	455	9	US-09-728-444-151	Sequence 151, App
C 28	43.8	3.8	1810	13	US-10-425-114-11473	Sequence 11473, A
C 29	43.8	3.8	1825	13	US-10-424-599-91736	Sequence 91736, A
C 30	43.8	3.8	8232	13	US-10-087-132-1699	Sequence 1699, Ap
C 31	43.6	3.7	698	15	US-10-029-386-22908	Sequence 22908, A
C 32	43.6	3.7	1093	13	US-10-424-599-95648	Sequence 95648, A
C 33	43.6	3.7	4204	16	US-10-369-493-27295	Sequence 27295, A
C 34	43.6	3.7	4321	13	US-10-058-270A-93	Sequence 93, Appl
C 35	43.6	3.7	4321	13	US-10-342-887-418	Sequence 418, App
C 36	43.6	3.7	4321	13	US-10-172-118-418	Sequence 418, App
C 37	43.6	3.7	4321	15	US-10-205-823-35	Sequence 35, Appl
C 38	43.6	3.7	4393	15	US-10-198-846-10819	Sequence 10819, A
C 39	43.4	3.7	384	9	US-09-738-626-544	Sequence 544, App
C 40	43.4	3.7	1431	13	US-10-424-599-127608	Sequence 127608, A
C 41	43.4	3.7	2045	13	US-10-425-114-26238	Sequence 26238, A
C 42	43.4	3.7	2421	17	US-10-655-799-17	Sequence 17, Appl
C 43	43.4	3.7	3302	15	US-10-037-270-475	Sequence 475, App
C 44	43.4	3.7	3302	16	US-10-117-722-475	Sequence 475, App
C 45	43.4	3.7	4188	17	US-10-473-670-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-10-104-047-1104
; Sequence 1104, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1104
; LENGTH: 2051
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-104-047-1104

Query Match	95.9%	Score	1119.6	DB	16	Length	2051
Best Local Similarity	99.6%	Pred. No.	0	Mismatches	4	Indels	0
Matches	1122	Conservative	0	Gaps	0		
QY	43	CGGTTCTGGGTCGTGTAATCAAGTCAATAGAGCCGCCCAAAATGCAAGAGTCTCTGAAGGG	102				
Db	202	CGGTTCTGGGTCGTGTAATCAAGTCAATAGAGCCGCCCAAAATGCAAGAGTCTCTGAAGGG	261				
QY	103	CTCCAGGCTCGGTTCAACTGACCTCTCCAGGCTCGAAGCTCATATGTTGGGCTCT	162				
Db	262	CTCCAGGCTCGGTTCAACTGACCTCTCCAGGCTCGAAGCTCATATGTTGGGCTCT	321				
QY	163	CAGTGACATGTTGGTCTAAGCGTCAAGCGCCATGAGCCCATCATCAATCAACCGCTT	222				
Db	322	CAGTGACATGTTGGTCTAAGCGTCAAGCGCCATGAGCCCATCATCAATCAACCGCTT	381				
QY	223	CACCTCTCAGAGGTACGACCCAGGGCGGAACTTTCACCTCGAGATGATCATCCCAATGT	282				

Db	382	CACCTCTCAGAGGTA	CGAC	CAGGCGGGA	ACTTC	CACCTCGAGAGT	GATCAT	CCCAATGT	441			
Qy	283	GGAGCC	CAGTGA	TTCGG	GGAACAT	CAGANT	CAGCCT	CCAGAA	CAGTGC	CTCGAT	GGATC	342
Db	442	GGAGCC	CAGTGA	TTCGG	GGAACAT	CAGANT	CAGCCT	CCAGAA	CAGTGC	CTCGAT	GGATC	501
Qy	343	TGCTTA	CGTTAC	CGTCC	AAAGTT	ATGG	GAGAGCT	TTTCA	TTC	CCCA	AGTGT	402
Db	502	TGCTTA	CGTTAC	CGTCC	AAAGTT	ATGG	GAGAGCT	TTTCA	TTC	CCCA	AGTGT	561
Qy	403	CGCTGA	AAATGA	ACTTGT	GAAGTT	ACTTGT	CTAC	CGTTC	AC	CTCG	AGCTGG	462
Db	562	CGCTGA	AAATGA	ACTTGT	GAAGTT	ACTTGT	CTAC	CGTTC	AC	CTCG	AGCTGG	621
Qy	463	TATTTCT	CGGAGCT	CGGTCT	CTCGT	CAGC	CAATCA	AGCTAT	TATTT	TGTT	TCGG	522
Db	622	TATTTCT	CGGAGCT	CGGTCT	CTCGT	CAGC	CAATCA	AGCTAT	TATTT	TGTT	TCGG	681
Qy	523	CAGGAG	CTTCAA	AGTC	GAGT	CAGT	CTCG	CTCTG	AC	CGCC	CAG	582
Db	682	CAGGAG	CTTCAA	AGTC	GAGT	CAGT	CTCG	CTCTG	AC	CGCC	CAG	741
Qy	583	GACTTG	CGTGG	CTAC	CTGGA	AGCCTG	AAAG	CGCCG	CAAG	CTC	GCA	642
Db	742	GACTTG	CGTGG	CTAC	CTGGA	AGCCTG	AAAG	CGCCG	CAAG	CTC	GCA	801
Qy	643	TGTGAT	TCGGT	GTCC	CAAG	ACACTG	AG	GTGT	TAAT	TAT	TAT	702
Db	802	TGTGAT	TCGGT	GTCC	CAAG	ACACTG	AG	GTGT	TAAT	TAT	TAT	861
Qy	703	TTTAC	CCAGT	TTTAG	TTTTT	CATT	GGCCT	TACT	TGGG	CAAG	CTG	762
Db	862	TTTAC	CCAGT	TTTAG	TTTTT	CATT	GGCCT	TACT	TGGG	CAAG	CTG	921
Qy	763	CACCAT	GCTTCT	GA	CGCG	AGCT	GTA	CTCTTA	CAAT	AC	GGTGT	822
Db	922	CACCAT	GCTTCT	GA	CGCG	AGCT	GTA	CTCTTA	CAAT	AC	GGTGT	981
Qy	823	TTGTTG	TGGCTG	CA	ACTGT	CTG	CCGTT	GTGTT	CTT	CGT	GTAGA	882
Db	982	TTGTTG	TGGCTG	CA	ACTGT	CTG	CCGTT	GTGTT	CTT	CGT	GTAGA	1041
Qy	883	TCGTAT	TCAATTT	C	AAAG	AAATCT	G	AAAG	AGA	CA	CAAA	942
Db	1042	TCGTAT	TCAATTT	C	AAAG	AAATCT	G	AAAG	AGA	CA	CAAA	1101
Qy	943	AASTG	GAATGA	AAATCT	CGG	CTACA	ATT	CAG	ATGA	AA	CAAG	1002
Db	1102	AASTG	GAATGA	AAATCT	CGG	CTACA	ATT	CAG	ATGA	AA	CAAG	1161
Qy	1003	TCCTCC	CTCC	CA	AAATCT	GT	GAAT	CC	AGT	GTAT	CTT	1062
Db	1162	TCCTCC	CTCC	CA	AAATCT	GT	GAAT	CC	AGT	GTAT	CTT	1221
Qy	1063	TCCT	CAC	CAG	CGG	CTG	ATCAA	CGT	CC	CA	CGG	1122
Db	1222	TCCT	CAC	CAG	CGG	CTG	ATCAA	CGT	CC	CA	CGG	1281
Qy	1123	TAAT	CTGG	CAG	TCT	CGA	AGGT	CAG	TAT	TAC	NA	1168
Db	1282	TAAT	CTGG	CAG	TCT	CGA	AGGT	CAG	TAT	TAC	NA	1327

RESULT 2

US-09-918-995-3342

; Sequence 3342, Application US/09918995

; Publication No. US20030073623A1

; GENERAL INFORMATION:

; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.

APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

;	TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES
:	TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
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6	6
7	7
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FILE OF INVENTION: FROM
FILE REFERENCE: 20411-756

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: CURRENT APPLICATION NUMBER: US/09/918,995
:
: CURRENT FILING DATE: 2001-07-30
:
: PRIOR APPLICATION NUMBER: US/09/235,076
:
: PRIOR FILING DATE: 1999-01-20
:
: NUMBER OF SEQ ID NOS: 38054
:
: SOFTWARE: fastseq for Windows Version 3.0
:
: SEQ ID NO 3342
:
: LENGTH: 474
:
: TYPE: DNA
:
: ORGANISM: Homo sapiens
:
: FEATURE:
:
: NAME/KEY: misc_feature
:
: LOCATION: (1)..(474)
:
: OTHER INFORMATION: n = A,T,C or G
:
: US-09-918-995-3342

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Query Match 23.0%; Score 269; DB 10; Length 474;
Best Local Similarity 98.2%; Pred. No. 1.2e-71;
Matches 272; Conservative 0; Mismatches 5; Indels

Qy	892	ATTTCAAAAGAAATCTGAAAAGAGAGACAACAAAGAAACTGAGACAGAAAGTGGAAA	951
Db	54	ACTTTTAAGGAAATCTGAAAAGAGAGACAACAAAGAAACTGAGACAGAAAGTGGAAA	113
Qy	952	TGAAACTCTCGGCTTACAAATTCAGATGAAACAAAGACACACAGACACCGCTTCTCTCCCTCC	1011
Db	114	TGAAACTCTCGGCTACAAATTCAGATGAAACAAAGACACACAGAAACCGTCTCTCTCCCTCC	173
Qy	1012	CAAACTCTGTAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCTCTCACCA	1071
Db	174	CAAACTCTGTAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCTCTCACCA	233
Qy	1072	CGCGGCTGATCAAGTCCACCCAGGCCAGCAAGTCATCCACAGGCTCTTTTAAATCTGGC	1131
Db	234	CGCGGCTGATCAAGTCCACCCAGGCCAGCAAGTCATCCACAGGCTCTTTTAAATCTGGC	293
Qy	1132	CAGTCTTGAAAGGTCAGTAATCAACTGTAGTATAG	1168
Db	294	CAGTCTTGAAAGGTCAGTAATCAACTGTAGTATAG	330

RESULT 3

US-09-864-761-16305

: Sequence 16305, Application US/09864761

; sequence 16303, Application
; Patent No. US20020048763A1

; FACEID NO: US2002004
; GENERAL INFORMATION:

APPLICANT: Penn. Sharron G.

APPLICANT: FEHM, SHARON G.
APPLICANT: Rank. David R.

APPLICANT: KRAIK, DAVID K.
APPLICANT: HANZEL, DAVID K.

; APPLICANT: HANZEL, DAVID
: APPLICANT: Chen, Wensheng

APPELLICANI: Chelil, wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

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; TITLE OF INVENTION:  GENE EXPRESSION ANAL
: FILE REFERENCE:  Aeomica-X-1

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FILE REFERENCE: AEOmica-X-1
CURRENT APPLICATION NUMBER: IIS/09/864-767

; CURRENT APPLICATION NUMBER: US/01-05-23
 : CURRENT FILING DATE: 2001-05-23

; CURRENT FILING DATE: 2001-05-23
 ; PRIOR APPLICATION NUMBER: US 60/180 312

; PRIOR APPLICATION NUMBER: US
: PRIOR FILING DATE: 2000-02-04

; PRIOR FILING DATE: 2000-02-04
 ; PRIOR APPLICATION NUMBER: US 60/207 456

; PRIOR APPLICATION NUMBER: US
 ; PRIOR FILING DATE: 2000-05-26

; PRIOR FILING DATE: 2000-05-26
 ; PRIOR APPLICATION NUMBER: US 00/633 366

; PRIOR APPLICATION NUMBER: US

PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT

/ PRIOR APPLICATION NUMBER: PCT/US01/00665
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00668
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00663
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00662
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00661
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: PCT/US01/00670
 / PRIOR FILING DATE: 2001-01-30
 / PRIOR APPLICATION NUMBER: US 60/234,687
 / PRIOR FILING DATE: 2000-09-21
 / PRIOR APPLICATION NUMBER: US 09/608,408
 / PRIOR FILING DATE: 2000-06-30
 / PRIOR APPLICATION NUMBER: US 09/774,203
 / PRIOR FILING DATE: 2001-01-29
 / NUMBER OF SEQ ID NOS: 49117
 / SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
 / SEQ ID NO 16305
 / LENGTH: 401
 / TYPE: DNA
 / ORGANISM: Homo sapiens
 / FEATURE:
 / OTHER INFORMATION: MAP TO AF121782.1
 / OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
 / US-09-864-761-16305

 Query Match 16.8%; Score 196.8; DB 9; Length 401;
 Best Local Similarity 96.6%; Pred. No. 1.7e-49;
 Matches 201; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

 QY 27 AAATAGAGACCCACCCGGTCTCGGTCTGGTAATGAAGTCATAGAAGGCCCCCAAAATG 86
 DB 194 AAATTGGCTACCTTCAGGTTCTGGTCTGGTAATGAAGTCATAGAAGGCCCCCAAAATG 253

 QY 87 CAAGAGTCTTGAAGGGTCTCCAGGCTCGGTTCAACTGCACCGTCTCCAGGGGTGGAAGC 146
 DB 254 CAAGAGTCTTGAAGGGTCTCCAGGCTCGGTTCAACTGCACCGTCTCCAGGGGTGGAAGC 313

 QY 147 TCATCATGTGGGTCTCAGTCAGTGGTGTCTAAGCGTCAGGCCCATGGAGCCCATCA 206
 DB 314 TCATCATGTGGGTCTCAGTCAGTGGTGTCTAAGCGTCAGGCCCATGGAGCCCATCA 373

 QY 207 TCACCAATGACCGCTTCACCTCTCAGAG 234
 DB 374 TCACCAATGACCGCTTCACCTCTCAGAG 401

 RESULT 4
 US-09-983-965-4945
 / Sequence 4945, Application US/09983965
 / Patent No. US20020137160A1
 / GENERAL INFORMATION:
 / APPLICANT: Warren, Wesley C.
 / APPLICANT: Tao, Nengbing
 / APPLICANT: Byatt, John C.
 / APPLICANT: Mahalingan, Nagappan
 / TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
 / TITLE OF INVENTION: MUSCLE AND FAT DEPOSITION
 / FILE REFERENCE: 37-21(10297)C
 / CURRENT APPLICATION NUMBER: US/09/983,965
 / CURRENT FILING DATE: 2001-10-26
 / PRIOR APPLICATION NUMBER: US 09/465,231
 / PRIOR FILING DATE: 1999-12-15
 / PRIOR APPLICATION NUMBER: US 60/113,678
 / PRIOR FILING DATE: 1998-12-17
 / NUMBER OF SEQ ID NOS: 5912
 / SEQ ID NO 4945
 / LENGTH: 398
 / TYPE: DNA
 / ORGANISM: Bos taurus


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; TITLE OF INVENTION: UNDER THE REGULATION OF ANDROGEN RESPONSE ELEMENTS
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; CURRENT FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 2706
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-620-514-4

Query Match          3.9%; Score 46; DB 13; Length 2706;
Best Local Similarity 61.9%; Pred. No. 0.014;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 755 CTAGAGGACCATGCTTCTGACGCGACGTGTACTTTACAATACGCTGCTGCTGC 814
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 632 CCAATGGCCCTCCCTTGCTCTACGCTGCTGCTCGGATATACCTCCTGCTGCTGT 573
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 815 CGCGTGTGTTGTGGCTGCAACTGCTGCTGCCCTGTTCTTCTGCTGTAGAAGAA 872
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 572 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 515
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 7
US-10-008-739A-1/c
; Sequence 1, Application US/10008739A
; Publication No. US20020161194A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Castleberry, Tessa A.
; APPLICANT: Lu, Bihong
; APPLICANT: Owen, Thomas A.
; APPLICANT: Smock, Steven L.
; TITLE OF INVENTION: The Canine Androgen Receptor
; FILE REFERENCE: PCI0893AGPR
; CURRENT APPLICATION NUMBER: US/10/008,739A
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3577
; TYPE: DNA
; ORGANISM: Canine
US-10-008-739A-1

Query Match          3.9%; Score 46; DB 14; Length 3577;
Best Local Similarity 65.7%; Pred. No. 0.017;
Matches 67; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 769 GCTTCTGACGCGACGTGTACTTTACAATACGCTGCTGCTGCCCGCTGCTGTTG 828
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 633 GCTGCTGTACTTCTGTATACCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 574
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 829 TGGTGTCAACTGCTGCTGCCGTTGTTGTTCTGCTGTAGAAG 870
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 573 TTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 532
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 8
US-10-620-514-1
; Sequence 1, Application US/10620514
; Publication No. US20040068762A1
; GENERAL INFORMATION:
; APPLICANT: Actar, Ricardo M.
; APPLICANT: Bol, David K.
; APPLICANT: Gottardis, Marco
; APPLICANT: Mookhtiar, Kasim
; APPLICANT: Rowley, Ronald B.
; APPLICANT: Ostrowski, Jacek
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; TITLE OF INVENTION: TRANSGENIC NON-HUMAN MAMMALS EXPRESSING A REPORTER NUCLEIC ACID
; FILE REFERENCE: D0287 NP
; CURRENT APPLICATION NUMBER: US/10/620,514
; CURRENT FILING DATE: 2003-07-16
; PRIOR APPLICATION NUMBER: US 60/396,501
; PRIOR FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 11004
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: artificial nucleic acid construct
US-10-620-514-1

Query Match          3.9%; Score 46; DB 13; Length 11004;
Best Local Similarity 61.9%; Pred. No. 0.036;
Matches 73; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

QY 755 CTAGAGGACCATGCTTCTGACGCGACGTGTACTTTACAATACGCTGCTGCTGC 814
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 10641 CCAATGGCCCTCCCTTGCTCTACGCTGCTGCTGCGATATACCTCCTGCTGCTGT 10700
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 815 CGCGTGTGTTGTGGCTGCAACTGCTGCTGCCCTGTTCTTCTGCTGTAGAAGAA 872
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 10701 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 10758
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 9
US-10-424-599-10899/c
; Sequence 10899, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 10899
; LENGTH: 1097
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_109851C.1
US-10-424-599-10899

Query Match          3.9%; Score 45; DB 13; Length 1097;
Best Local Similarity 83.6%; Pred. No. 0.016;
Matches 51; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 801 GCTGCTGCTGCTGCCGCGTGTGTTGCTGCTGCAACTGCTGCTGCCGTTGTTTCT 860
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 548 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 489
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 861 G 861
    |
DB 488 G 488

RESULT 10
US-10-437-963-61590
; Sequence 61590, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
```


RESULT 12
US-10-242-535A-1932/c

TELEPHONE: (202) 912-2000
TELEFAX: (202) 912-2020


```
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1310 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: exon
; LOCATION: 1..1310
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-849-243-13

Query Match      3.8%; Score 44.8; DB 9; Length 1310;
Best Local Similarity 81.2%; Pred. No. 0.021;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 801 GCTGCTGCTGCGCGCGTGTGTTGGTGTGCAACTGCTGCGCGTGTGTTCT 860
Db 336 GCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 277

QY 861 GCTG 864
Db 276 GCTG 273

RESULT 14
US-10-388-360-336/c
; Sequence 336, Application US/10388360
; Publication No. US20030225528A1
; GENERAL INFORMATION:
; APPLICANT: GENOMIC HEALTH
; APPLICANT: Baker, Jofire B.
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Kiefer, Michael C.
; APPLICANT: Shak, Steve
; APPLICANT: Walker, Michael Graham
; TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
; FILE REFERENCE: 39740-0001US
; CURRENT APPLICATION NUMBER: US/10/388,360
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/412,049
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/364,890
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 384
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 336
; LENGTH: 1876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-360-336

Query Match      3.8%; Score 44.8; DB 13; Length 1876;
Best Local Similarity 81.2%; Pred. No. 0.026;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 801 GCTGCTGCTGCGCGCGTGTGTTGGTGTGCAACTGCTGCGCGTGTGTTCT 860
Db 479 GCTGCTGCTGCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420

QY 861 GCTG 864
Db 419 GCTG 416

RESULT 15
US-09-822-846-491/c
; Sequence 491, Application US/09822846
; Publication No. US20030027139A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
```

```
; APPLICANT: LaVallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Howes, Steven H.
; APPLICANT: Resnick, Richard J.
; APPLICANT: Gulukota, Kamalakara
; APPLICANT: Graham, James R.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS
; FILE REFERENCE: GIN 6400
; CURRENT APPLICATION NUMBER: US/09/822,846
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195,605
; PRIOR FILING DATE: 2000-04-06
; NUMBER OF SEQ ID NOS: 629
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 491
; LENGTH: 2614
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-846-491

Query Match      3.8%; Score 44.8; DB 10; Length 2614;
Best Local Similarity 76.4%; Pred. No. 0.033;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

QY 801 GCTGCTGCTGCGCGCGTGTGTTGGTGTGCAACTGCTGCGCGTGTGTTCT 860
Db 2179 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2120

QY 861 GCTGTAGAAGAA 872
Db 2119 GCTGCTGCCGCA 2108

Search completed: August 6, 2004, 19:28:59
Job time : 577.665 secs
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Db	372	ATGACCGCTTCACTCTCAGAGTACGACAGGGCGGAACTTCACCTCGAGATGATCA	431
Qy	345	TCCACAATGTGGAGCCCAAGTGTTCGGGGAAACATCAGATGCAGCCTCCAGAAACAGTCGCC	404
Db	432	TCCACAATGTGGAGCCCAAGTGTTCGGGGAAACATCAGATGCAGCCTCCAGAAACAGTCGCC	491
Qy	405	TGCATGATCTGCTTACCTTACCGTCAAGTTATGGAGAGCTGTTCAATCCAGTGTTA	464
Db	492	TGCATGATCTGCTTACCTTACCGTCAAGTTATGGAGAGCTGTTCAATCCAGTGTTA	551
Qy	465	ATCTTGAGTCGCTGAGAAATGAACCTTGCAAGTTACTTGTCTACCTCACACTGACACC	524
Db	552	ATCTTGAGTCGCTGAGAAATGAACCTTGGAAGTTACTTGTCTACCTCACACTGACACC	611
Qy	525	GGCTCCCGGATATTTCTCGGAGCTCGGTCTCCTGTGTACGCCATTCAAGCTATTATTTTG	584
Db	612	GGCTCCCGGATATTTCTCGGAGCTCGGTCTCCTGTGTACGCCATTCAAGCTATTATTTTG	671
Qy	585	TTCCGAGAGCCAGGACCTTCAAAGTGCAGTGAGCATCTGGCTCTGACCCACAGACA	644
Db	672	TTCCGAGAGCCAGGACCTTCAAAGTGCAGTGAGCATCTGGCTCTGACCCACAGACA	731
Qy	645	ATGGGACTTTGACTTGGCTGGCTACCTGGAGAGCCCTGAAGGCCGCCAAGCTCTGCAACTG	704
Db	732	ATGGGACTTTGACTTGGCTGGCTACCTGGAGAGCCCTGAAGGCCGCCAAGCTCTGCAACTG	791
Qy	705	TAAATCTCACTGTGATTCGGTGTCCCACAGACACTGGAGTGGTATTAAATATTCAGGTG	764
Db	792	TAAATCTCACTGTGATTCGGTGTCCCACAGACACTGGAGTGGTATTAAATATTCAGGTG	851
Qy	765	TATATCAAGTTTACCGAGTTTAGTGTTCATTGCCCTACTCTGGGCAAGTTGGACTTG	824
Db	852	TATATCAAGTTTACCGAGTTTAGTGTTCATTGCCCTACTCTGGGCAAGTTGGACTTG	911
Qy	825	GACTAGCAGGCACCATGCTTCTGACGCCGACGTGCTACTCTTACAATACGCTGTGTGCT	884
Db	912	GACTAGCAGGCACCATGCTTCTGACGCCGACGTGCTACTCTTACAATACGCTGTGTGCT	971
Qy	885	GCCGCGTGTGTTGTGGCTGCAACTGTGCTGCGCTGTGTTCTGTCTGTAGAGAA	944
Db	972	GCCGCGTGTGTTGTGGCTGCAACTGTGCTGCGCTGTGTTCTGTCTGTAGAGAA	1031
Qy	945	AAAGAGATTTCTGATTCAATTTCAAAGAAATCTGAAAAGAGAGACACAAACAAAGAA	1004
Db	1032	AAAGAGATTTCTGATTCAATTTCAAAGAAATCTGAAAAGAGAGACACAAACAAAGAA	1091
Qy	1005	CTGAGACAGAAAGTGAAATGAAACCTCCGGCTACAAATTCAGATGAAACAAAAGACACAG	1064
Db	1092	CTGAGACAGAAAGTGAAATGAAACCTCCGGCTACAAATTCAGATGAAACAAAAGACACAG	1151
Qy	1065	AAACGGCTTCTCTCCCTCCCAATCTGTGATCCAGTGTCTGTGAACAAAGAAACAGTA	1124
Db	1152	AAACGGCTTCTCTCCCTCCCAATCTGTGATCCAGTGTCTGTGAACAAAGAAACAGTA	1211
Qy	1125	GCTGTGCCCTCTCTCACACAGCGGCTCATCAACGTCCACCGCCACGCAAGTCATCCAC	1184
Db	1212	GCTGTGCCCTCTCTCACACAGCGGCTCATCAACGTCCACCGCCACGCAAGTCATCCAC	1271
Qy	1185	AGGCTCTTTTAACTCTGCCAGTCTCTGAGAAGGTCAGTAATACAACCTGTAGTATAG	1240
Db	1272	AGGCTCTTTTAACTCTGCCAGTCTCTGAGAAGGTCAGTAATACAACCTGTAGTATAG	1327

RESULT 2

US-09-918-995-3342

03-03-918-993-3342
: Sequence 3342, Application US/09918995

Publication No. US20030073623A1

; PUBLICATION NO.: US20
: GENERAL INFORMATION:
: GENERAL INFORMATION:

GENERAL INFORMATION:
APPLICANT: Hvved. Inc.

APPLICANT: Hyseq, Inc.
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED

; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES

: TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES

; TITLE OF INVENTION: FROM
: FILE REFERENCE: 20411-756

```

; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3342
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(474)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-3342

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Query Match 21.8%: Score 270.6: DB 10: Length 474;

Query Match 21.0%; Basic 27.0%; DS 10%;
 Best Local Similarity 98.6%; Pred. No. 3e-71;
 Matches 273; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy	964	ATTTCAAAAGAAATCTGAAAAGAGAAAGACAAACAAAGAAACTGTAGACAGAAAGTGGAAA	1023
Db	54	ACTTTTAAAGGAAATCTGAAAAGAGAGACAAACAAAGAAACTGTAGACAGAAAGTGGAAA	113
Qy	1024	TGAAAACCTCGGGTACAAATTCAGATGAACAAAAGACACAGAAACCGCTTCTCTCCCTCC	1083
Db	114	TGAANAACTCGGGCTACAAATTCAGATGAACAAAAGACACAGAAACCGCTTCTCTCCCTCC	173
Qy	1084	CAAAATCCTGTGAATCCCAAGTGATCCTGAACAAAGAAACAGTAGTGTGGCCCTCTCTACCA	1143
Db	174	CAAAATCCTGTGAATCCCAAGTGATCCTGAACAAAGAAACAGTAGTGTGGCCCTCTCTACCA	233
Qy	1144	CGCGGCTGATCAAGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAAATCTGGC	1203
Db	234	CGCGGCTGATCAAGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAAATCTGGC	293
Qy	1204	CAGTCCTGGAAGGTCAGTAATCAACTGTAGTATAG	1240
Db	294	CAGTCCTGGAAGGTCAGTAATCAACTGTAGTATAG	330

RESULT 3

US-09-864-761-16305

; Sequence 16305, Application US/09864761

; Patent No. US20020048763A1

; FALCIC NO: 002002004
: GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

APPLICANT: FENN, SHARLON G.
APPLICANT: Rank: David R.

APPLICANT: KALIK, DAVID K.
APPLICANT: HANZEL, DAVID K.

APPLICANT: HANZEL, DAVID
APPLICANT: Chen, Wensheng

APPELLICANI: CELL, WEIGHING
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE OF INVENTION: GENETICALLY
FILE REFERENCE: Aecmca-X-1

FILE REFERENCE: AEOmica-X-I
CURRENT APPLICATION NUMBER: US/09/864.761

; CURRENT APPLICATION NUMBER: US/0
 : CURRENT FILING DATE: 2001-05-23

; CURRENT FILING DATE: 2001-03-23
 : PRIOR APPLICATION NUMBER: IIS 60/180-312

;; PRIOR APPLICATION NUMBER: US
: PRIOR FILING DATE: 2000-02-04

;; PRIOR FILING DATE: 2000-02-04
: PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR APPLICATION NUMBER: 0
: PRIOR FILING DATE: 2000-05-

; PRIOR FILING DATE: 2000-05-26
 : PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR APPLICATION NUMBER: US 2000-08-03

; PRIOR FILING DATE: 2000-08-03
: PRIOR APPLICATION NUMBER: GB 24263-6

;; PRIOR APPLICATION NUMBER: 2000-10-
: PRIOR FILING DATE: 2000-10-

; PRIOR FILING DATE: 2000-10-04
 ; PRIOR APPLICATION NUMBER: US 60/236,359

;; PRIOR APPLICATION NUMBER: US
: PRIOR FILING DATE: 2000-09-27

; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/006666

; PRIOR APPLICATION NUMBER: PCT/JP01/000001
: PRIOR FILING DATE: 2001-01-30

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR AFFILIATION NUMBER: FCI
 : PRIOR FILING DATE: 2001-01-30

; PRIOR FILING DATE: 2001-01-30
 ; PRIOR APPLICATION NUMBER: PCT/US01/006664

; PRIOR APPLICATION NUMBER: PCT/JP2001/000001
; PRIOR FILING DATE: 2001-01-30

; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669

;; PRIOR APPLICATION NUMBER: PCT/JP2001/013011
; PRIOR FILING DATE: 2001-01-30


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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 16305
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AF121782.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305

Query Match 15.2%; Score 188.8; DB 9; Length 401;
Best Local Similarity 99.0%; Pred. No. 2e-46;
Matches 190; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 115 AGTTCTCGGTCGTGTAATGAAGTCAAGAGGCCGCCAGATGCAACAGTCTCGAAGG 174
DB 210 AGTTCTCGGTCGTGTAATGAAGTCAAGAGGCCGCCAGATGCAACAGTCTCGAAGG 269

QY 175 CTCGCCAGGCTCGCTTCAACTGCACCGTCTCCAGGGCTGGAAGCTCATCATGTGGGCTT 234
DB 270 CTCGCCAGGCTCGCTTCAACTGCACCGTCTCCAGGGCTGGAAGCTCATCATGTGGGCTT 329

QY 235 CAGTGACATGTTGGTCTGAAGCGTTCAGGCCCATGGAGCCCATCATCAACATGACCGCTT 294
DB 330 CAGTGACATGTTGGTCTGAAGCGTTCAGGCCCATGGAGCCCATCATCAACATGACCGCTT 389

QY 295 CACCTCTCAGAG 306
DB 390 CACCTCTCAGAG 401

RESULT 4
US-09-983-965-4945
; Sequence 4945, Application US/09983965
; Patent No. US20020137160A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Nengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE OF INVENTION: MUSCLE AND FAT DEPOSITION
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; CURRENT FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4945
; LENGTH: 398
; TYPE: DNA
; ORGANISM: Bos taurus
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; FEATURE:
; OTHER INFORMATION: Clone ID: 26-LIB34-017-Q1-E1-G9
US-09-983-965-4945

Query Match 11.3%; Score 140.4; DB 9; Length 398;
Best Local Similarity 78.5%; Pred. No. 1e-31;
Matches 168; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

QY 113 GTAGTTCTCGGTCGTGTAATGAAGTCAAGAGGCCGCCAGATGCAACAGTCTCGTGAAG 172
DB 185 GCAGCCTGTGGATCCAGCAGTGAATCATAGAGGTCCCAAGATGTACACCCCTGAAG 244

QY 173 GGCTCCAGGGCTCGCTTCAACTGCACCGTCTCCAGGGCTGGAAGCTCATCATGTGGCT 232
DB 245 GGCTCGAGGGCTCGCTTCAACTGCACCATCTCGCAGGGCTGGAAGCTCGTCAATGTGGCT 304

QY 233 CTCAGTGACATGTTGGTCTGAAGCGTTCAGGCCCATGGAGCCCATCATCAACATGACCGC 292
DB 305 CTGAGAGGCACAGTGTGTGCTGAGCATGACCCATATGAGACCATCATCACCAGTACCGC 364

QY 293 TTCACCTCTCAGAGGTACGACCGCGGGGAACT 326
DB 365 TTCACCTCGCAAGCTACCAAGAGGGCCGAACT 398

RESULT 5
US-09-918-995-5026
; Sequence 5026, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5026
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-918-995-5026

Query Match 4.3%; Score 53.2; DB 10; Length 404;
Best Local Similarity 68.9%; Pred. No. 3.5e-05;
Matches 73; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 28 TCAGTTTCTTAGGCTGCCATACAAAGCACCACCACTACCTGGTGGCTTAGAACCAATGAAAG 87
DB 74 TGAGTTGCTTGGTCTGCCATACAAAGCACCACCACTATAGACTCTTTGCTTAACAATGGAAT 133

QY 88 GCATTGTCTCAGGTTCCAGAGCTGTAGGTTCTGGGTCGTGTAAT 133
DB 134 GTATTTTCTCAGAGTCCAGAGGCTGAAAGTCCAAAGATGCCACAAT 179

RESULT 6
US-10-087-192-988
; Sequence 988, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: CANCER
; FILE REFERENCE: 52945200122
; CURRENT APPLICATION NUMBER: US/10/087,192
; CURRENT FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
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; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 988
; LENGTH: 203264
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-087-192-988

Query Match          4.3%; Score 53; DB 13; Length 203264;
Best Local Similarity 64.0%; Pred. No. 0.0024;
Matches 80; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Qy 27 ATCACTTCCAGCTGCTGCATACAAAGCACCATAACCTGCTGGCTTAGACAATGGAAA 86
Db 139978 ATAGTTGCTTGGCTGCCATACAAATACCAAACTGGTGTAAACAATAGAAA 140037

Qy 87 GGCATTGCTCACGCTTCCAGAAGCTGTAGTTCTGGTCTGTGAATGAAGTCATAGAAG 146
Db 140038 TGTATTTTCTCATAGTTCTGGAGGCTGTGATGTTCAAGATCAAGGTACCACAAATTC 140097

Qy 147 GCCCC 151
Db 140098 GGGCC 140102

RESULT 7
US-10-424-599-16675/c
; Sequence 16675, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 16675
; LENGTH: 775
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_115063C.1
US-10-424-599-16675

Query Match          4.1%; Score 50.6; DB 13; Length 775;
Best Local Similarity 73.0%; Pred. No. 0.00033;
Matches 65; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

Qy 873 GCTGCTGCTGCGCGCTGTTGTGTGGCTGCAACTGCTGCTGCGGTTGTTCT 932
Db 710 GTTGCTGCTGCTGCTGTTGTGTGGTCTGCTGCTGCTGCTGCTGTTGTTGCT 651

Qy 933 GCTGTAGAAGAAAAGAGATTTCGTATT 961
Db 650 GCTGCTGCTGCTGCTGAGCCCTTTGTAAT 622

RESULT 8
US-10-027-632-43431
; Sequence 43431, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
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; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 43431
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-43431

Query Match          4.1%; Score 50.4; DB 13; Length 609;
Best Local Similarity 71.4%; Pred. No. 0.00033;
Matches 80; Conservative 0; Mismatches 31; Indels 1; Gaps 1;

Qy 23 GTGGATCAGTTTCC-TAGGCTGCCATACCAAGCACCATAACCTGGTGGCTTAGACAAT 81
Db 111 GTGGATCAGTTTCTCTGGCTGCCGTACAAATTACGACAACTGTGGCTTAAACAAT 170

Qy 82 GGAAGGCAATTGCTCAGGTTCCAGAAGCTGTAGTTCTGGTCTGGTAAT 133
Db 171 AGAATGTATTCTCTCAAAGTTCTAGAGGCCAGAGTCTGAGATCCAGCAT 222

RESULT 9
US-10-027-632-299775
; Sequence 299775, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 299775
; LENGTH: 609
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-299775

Query Match          4.1%; Score 50.4; DB 13; Length 609;
Best Local Similarity 71.4%; Pred. No. 0.00033;
Matches 80; Conservative 0; Mismatches 31; Indels 1; Gaps 1;
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Qy 158 GCAACAGTCCTGAGGGCTCCAGGCTCGCTTCAACTGCACCGTCTCCAGGGCT 212
Db 328 ACTCTATTCTCGGCTCCAGACATTCACTTTCTCAGTGTGCTCACCACGGTT 274

RESULT 13

US-10-027-632-201953/c
; Sequence 201953, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 201953
; LENGTH: 650
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-201953

Query Match 4.0%; Score 50.2; DB 16; Length 650;
Best Local Similarity 55.4%; Pred. No. 0.00039;
Matches 97; Conservative 0; Mismatches 78; Indels 0; Gaps 0;
Qy 38 AGGTCGCATTAACAAGCACCATAACCTGGTGTGCTTGAACAATGGAAGCATTGCTC 97
Db 448 AGGTCACATAACAAAAATGCCATAGACTGGGTGGCTTAAAGAACAGAAATTTATTCTC 389
Qy 98 ACGTTCACAGAGCTAGTTCCTGGCTCTGCTAATGAAGTCATAGAGGCCCCAGAT 157
Db 388 ACAGTCCAGAGGCTGGAAGTCCAGATCAGGGTGCACGATGTGCTCAGGGTCTCGTGAAC 329
Qy 158 GCAACAGTCCTGAGGGCTCCAGGCTCGCTTCAACTGCACCGTCTCCAGGGCT 212
Db 328 ACTCTATTCTCGGCTCCAGACATTCACTTTCTCAGTGTGCTCACCACGGTT 274

RESULT 14

US-10-027-632-134169/c
; Sequence 134169, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 134169
; LENGTH: 606
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-134169

Query Match 4.0%; Score 49.6; DB 13; Length 606;
Best Local Similarity 72.7%; Pred. No. 0.00057;
Matches 64; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
Qy 24 TGGATCAGTTTCCTAGGCTGCCATAACAAGCACCATAACCTGGTGTGCTTGAACAATGG 83
Db 114 TGCATTAGTCCCTGGGCTGCCATAACAAGCACCATAACCGGAGGCTTAAACAACAG 55
Qy 84 AAAGGCATTTGCTCACCGTTCACGAAGC 111
Db 54 GAATTTATTCTCTCACCGTTCGTGAAC 27

RESULT 15

US-10-027-632-134169/c
; Sequence 134169, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 134169
; LENGTH: 606
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-134169

Query Match 4.0%; Score 49.6; DB 16; Length 606;
Best Local Similarity 72.7%; Pred. No. 0.00057;
Matches 64; Conservative 0; Mismatches 24; Indels 0; Gaps 0;
Qy 24 TGGATCAGTTTCCTAGGCTGCCATAACAAGCACCATAACCTGGTGTGCTTGAACAATGG 83
Db 114 TGCATTAGTCCCTGGGCTGCCATAACAAGCACCATAACCGGAGGCTTAAACAACAG 55
Qy 84 AAAGGCATTTGCTCACCGTTCACGAAGC 111
Db 54 GAATTTATTCTCTCACCGTTCGTGAAC 27

Search completed: August 6, 2004, 19:29:01
Job time : 614.213 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 14:57:22 ; Search time 14.896 Seconds
(without alignments)
1323.919 Million cell updates/sec

Title: US-09-729-264-2
Perfect score: 2059
Sequence: 1 MGLVFLHSGSGSNEVEGP.....HQQSFNLSAPKVSNTTVV 382

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: ii Issued Patents AA: *
1: /cgn2_6/ptodata/2/iaa/5A COMB.pap.*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pap.*
3: /cgn2_6/ptodata/2/iaa/6A COMB.pap.*
4: /cgn2_6/ptodata/2/iaa/6B COMB.pap.*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	147.5	7.2	404	US-09-638-649-3	Sequence 3, Appli
2	128.5	6.2	1345	US-08-977-767-3	Sequence 3, Appli
3	128	6.2	1447	US-09-041-886-25	Sequence 25, Appli
4	128	6.2	1447	PCT-US94-05277-2	Sequence 2, Appli
5	126.5	6.1	869	US-08-374-834-16	Sequence 16, Appli
6	126.5	6.1	869	US-08-644-271-29	Sequence 29, Appli
7	126.5	6.1	869	US-09-077-955-33	Sequence 33, Appli
8	123.5	6.0	332	US-09-062-365-1	Sequence 1, Appli
9	122.5	5.9	340	US-09-651-200-2	Sequence 2, Appli
10	122.5	5.9	441	US-09-651-200-4	Sequence 4, Appli
11	122	5.9	313	US-09-700-397-4	Sequence 4, Appli
12	122	5.9	344	US-09-700-397-3	Sequence 3, Appli
13	121.5	5.9	534	US-09-651-200-6	Sequence 6, Appli
14	121.5	5.9	534	US-09-651-200-24	Sequence 24, Appli
15	118.5	5.8	318	US-08-633-148-4	Sequence 4, Appli
16	118.5	5.8	340	US-08-633-148-2	Sequence 2, Appli
17	117	5.7	325	US-09-651-200-20	Sequence 20, Appli
18	114.5	5.6	1461	US-09-976-594-531	Sequence 531, App
19	114	5.5	1395	US-09-540-245A-15	Sequence 15, Appl
20	113.5	5.5	416	US-09-638-649-1	Sequence 1, Appli
21	112	5.4	868	US-08-374-834-1	Sequence 1, Appli
22	112	5.4	868	US-08-644-271-1	Sequence 1, Appli
23	112	5.4	868	US-09-077-955-1	Sequence 1, Appli
24	110	5.3	689	US-09-499-964-1	Sequence 1, Appli
25	109.5	5.3	316	US-09-910-174B-24	Sequence 24, Appl
26	109.5	5.3	316	US-09-620-461-24	Sequence 24, Appl
27	109.5	5.3	478	PCT-US95-08493-15	Sequence 15, Appl

28 109.5 5.3 860 5 PCT-US95-08493-19 Sequence 19, Appli
29 109.5 5.3 868 5 PCT-US95-08493-21 Sequence 21, Appli
30 107.5 5.2 362 1 US-08-415-751-6 Sequence 6, Appli
31 107 5.2 365 2 US-08-979-424-3 Sequence 3, Appli
32 107 5.2 365 3 US-09-272-496-2 Sequence 2, Appli
33 106.5 5.2 946 5 PCT-US95-08493-13 Sequence 13, Appli
34 106 5.1 319 1 US-08-597-495B-22 Sequence 22, Appli
35 106 5.1 319 3 US-09-068-051A-22 Sequence 22, Appli
36 106 5.1 319 4 US-09-336-536-67 Sequence 67, Appli
37 106 5.1 319 4 US-09-254-465A-6 Sequence 6, Appli
38 106 5.1 801 1 US-07-906-349A-6 Sequence 2, Appli
39 106 5.1 1497 4 US-09-060-854B-2 Sequence 20, Appli
40 105 5.1 285 3 US-08-482-085B-20 Sequence 17, Appli
41 105 5.1 1297 3 US-09-540-245A-17 Sequence 16, Appli
42 105 5.1 1381 3 US-09-540-245A-16 Sequence 1, Appli
43 104.5 5.1 879 1 US-08-554-612C-1 Sequence 1, Appli
44 104 5.1 421 2 US-08-659-984A-1 Sequence 1, Appli
45 104 5.1 421 3 US-08-660-531-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Yan, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED
; TITLE OF INVENTION: GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638,649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match 7.2%; Score 147.5; DB 4; Length 404;
Best Local Similarity 22.6%; Pred. No. 5.7e-05;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;
QY 15 EVIEGPQNAVTLKGSQARFNCTVSQG---WKLIMWALSMDVVLVSVPMEPIITNDPRTS- 70
Db 125 EIVDSASELTA--GVPNKVGTCVSEGSYPAGTILSWHLDG-----KPLVFNKGVSV 173
QY 71 ----QRVDOGQNF--SEMIHNVPSDSGNIR---CSLQNSRLHGSAYLTQVVMGEFL 120
Db 174 KEQTRHPETGLFTLOSELN---VTARGDPRPTSCFSFGLPHRALRTAPIQPVW 230
QY 121 IP-----SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWELGLLVSHSY 162
Db 231 EPVPLEVQLVW---EPEGGAVAPGGTVTLTCEVPAQS-----PQIHMKD----- 274
QY 163 YFVPEPSDLQSAVSIILALTPQNSGTLTCAVTKSLKARKSATVNLTVIRCPQDTGGGINI 222
Db 275 -GVPLPLPSPVLIILPEIGFQDQGYTSCVATHSHGQPSRAVSIIE-PGEEG----- 327
QY 223 PGVLSLPSLGSPLTWGKVLGLAGTLLIT-----PTCLITRCCCRRCRCCGCCNC 275
Db 328 -----PTAGSVGSGGLGTALALGILGLGTAAALLIGVILWRR----- 366
QY 276 CRCCFCRRKRGPRIOFQKKSEKKT--NKETETESGNENSGVNSDEQKTTDTASLPK 333
Db 367 -----QRRGERKAPENQEEEEAEELN----- 389

QY 334 CESSDPEORNSCGPP 349
Db 390 -QSEEPAGESSTGGP 404

RESULT 2
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0423 US
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.015;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;
QY 186 GTLTCVATWKSILKARKSATVNLTVIRCPQDTGGGI-----NIPGVLSLPSLGFSLPTWCK 241
Db 414 GTCTCTGT-----GC-CGTGGGAAGCGTTCAGAGCCCGCGTGGATGGGA 455
QY 242 VGLGIAGTMLT-PTCLTIRCCRRCCGNCNCCRC-----CFCC 282
Db 456 COTGAAGAGGCTCTATGACCCCTTCTGCCCCCTCTGAGACTCAGACC 507

RESULT 3
US-09-041-886-25
; Sequence 25, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.

; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-041-886-25
Query Match 6.2%; Score 128; DB 3; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.018;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;
QY 10 SGSGNEV-----LEGONATVLKSGQARFNCTVSGW--KLIMWALSDM 51
Db 220 SRTGNEAFVRLSDPGLHRLQYFLQRPNSVVAIEGKDAVLECCVS-GPPPSFTWLRGEE 278
QY 52 VVLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVEPSDSGNIRC--SLQNSLHGSA 109
Db 279 VI-----QLRSKXSLGG--SNLLISNVTDDSGMYTCVVTYKKNENISASA 323
QY 110 YLTQVVMGELFIPSVNVLVAENEPCEVTCLPSHWTRLPDISW-ELGLLVSHSSYYFVPEP 168
Db 324 ELTVLPVPFNLHPNSLYAYESMDIEFECTVS-GKPVPTVNMKNKGDVIFSDYFQIVGG 382
QY 169 SDLQSAVSILALTPQSNGLTCTVATKSLKARKSATVNLTVIRCPQDTGGGINIPGVLS 228
Db 383 SNLR-----ILGVKSDGFGYQCVAEAGNAQTSAQLIVPKAIPSS-----VLPS 430
QY 229 LP 230
Db 431 AP 432
RESULT 4
PCT-US94-05277-2
; Sequence 2, Application PC/TUS9405277
; GENERAL INFORMATION:
; APPLICANT: Bruskin, Arthur
; APPLICANT: Jarosz, David E.
; APPLICANT: Johnson, Karen
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zablacky, James R.
; TITLE OF INVENTION: Antibodies Specific for DCC Gene Product
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:


```

; ADDRESSEE: Banner, Birch, McKie & Beckett
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05277
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A.
; REGISTRATION NUMBER: 32,141
; REFERENCE/DOCKET NUMBER: 01107.42709
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202.508.9100
; TELEFAX: 202.508.9299
; TELEX: 197430 BBMB UT
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US94-05277-2

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Query Match 6.2%; Score 128; DB 5; Length 1447;

Best Local Similarity 24.8%; Pred. No. 0.018; Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;

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QY 10 SSGSNEV-----IEGPONATVLKGSQARENCVTSQGW--KLIMWALSMD 51
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 220 SRGTGAEVRLSDPGLHRLQYFLQRPNSVVAEGKDAVLECCVS-GYPPPSFTWLRGEE 278
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 52 VLSVRPMEPIIINDRFTSQRYDQGNFTSEMIHNVFSDSGNIRC--SLQNSRLHGS 109
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 279 VI-----QLRSKKYSLGG--SNLLISNVTDDSGMYTCVVTYKKNISASA 323
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 110 YLTQVMGELFIPSNLVVAENPECVTLPSHWTRLPDISW-ELGLVSHSSYVFPPEP 168
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 324 ELTVLPPFELNPSNLYAYESMDIEFECTVS-GKVPVTVMWKGDDVIPSDFQLVGG 382
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 169 SDLOSASVILALPQSGNTLTCVATWKSLSKARKSATVNLTVIRCPQDTGGGINIPGVLS 228
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 383 SNLR----ILGVVKSDEGFYQCVAENEAGNAQTSQQLIVPKPAIPSS-----VLPS 430
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 229 LP 230
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 431 AP 432
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RESULT 5

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US-08-374-834-16
; Sequence 16, Application US/08374834
; Patent No. 5656473
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill River Road
; CITY: Tarrytown
; STATE: New York
; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/374,834
; FILING DATE: 19-JAN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/095,658
; FILING DATE: 21-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Cobert, Robert J.
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 190A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (914) 345-7400
; TELEFAX: (914) 345-7721
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-374-834-16

```

Query Match 6.1%; Score 126.5; DB 1; Length 869;

Best Local Similarity 20.9%; Pred. No. 0.012; Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

```

QY 15 EVIEGPONATVLKGSQARENCVTSQGW-KLIMWALSMDVLSVRPMEPIITNDRFTSQRY 73
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 122 KITRPINVKILGLKAVLPCTTMGNPKPSVSIKGD-----SPURENSRIAVLE- 171
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 74 DQGNFTSEMIHNVFSDSGNIRCQLQNSRLHGSAY-LTVQVMGELFIPSNLVVAENE 132
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 133 P-----CEVTLPSHWTRLPDISW-ELGLVSHSSYVFPPEPSDLOSASVILALTPQ 183
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 224 TFGSFVTLHCTATGIP-----VPTITWENGNAVSSGSIQESVKDRVIDSRLQLFITKP- 277
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 184 SNTLTCVAT---WKSLSKARKSATVNLTVIRCPQDTGGG-----INIFGVLSLSP 230
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 278 --GLYTCIATNKHGEFSTAKAAATISIAEWSPQDKNGYCAQYRGEVCNAVLAADLV 335
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 231 SLGFSL-----PTWKGVLGLAGTMLLTPTLTITRCCCRRCRCCCN----- 273
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 336 FLNTSYADPEEAQELLVHTAWNEL-----KVSVPVCPAAEALLCNHIFQCSFGVVP 388
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 274 -----CCRCRC-----FCCRRKRGFRIQFKKSEKTKETETESGNSGNSGNSDEQKT 323
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 389 TPIPICRBYCLAVKELFCFAKE---WLVMEETHRGLYRSEMHLVSPKSLPSMHWDP 444
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 324 TDTASLPKSCSSDPEQNSSCGPPHQRADORP----PRPASHPOASFNLA 371
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 445 TACARLP-----HLDYKNENLKTFFP--MTSSKPSVDIPNLPSSSSSSSSFVS 489
; : : : : : : : : : : : : : : : : : : : : : : : : : : : :

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RESULT 6

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US-08-644-271-29
; Sequence 29, Application US/08644271
; Patent No. 5814478
; GENERAL INFORMATION:
; APPLICANT: Valenzuela, et al.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS
; TITLE OF INVENTION: AND LIGANDS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Regeneron Pharmaceuticals, Inc.
; STREET: 777 Old Saw Mill Road
; CITY: Tarrytown
; STATE: NY

```



```

; COUNTRY: USA
; ZIP: 10591
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,271
; FILING DATE: 10-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/008,657
; FILING DATE: 15-DEC-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Covert, Robert J
; REGISTRATION NUMBER: 36,108
; REFERENCE/DOCKET NUMBER: REG 195A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 914-345-7400
; TELEFAX: 914-345-7721
; TELEX:
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 869 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-644-271-29

```

```

Query Match 6.1%; Score 126.5; DB 2; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.012;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 15 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 73
DB 122 KITRPPINVKIIEGLKAVLPCTTMGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171

QY 74 DQGNFTSEMIHNVPSDSNIRCSLQNSRLHGSAY-LTVQVNGELFIPSVNLVVAENE 132
DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 133 P-----CEVTCLPSHWTLPDISW-ELGLLVSHSSYYFVPEPSDQSAVSLALTPQ 183
DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLRLQIFITKP- 277

QY 184 SNGTLTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 230
DB 278 --GLYTCIATNKHGKEFKSTAKAAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADLV 335

QY 231 SLGFSL-----PTWGVKVLGLAGTMLLTPTCTLTIRCCCRRCGCGN----- 273
DB 336 FLNTSYADPBEAQELLVHTAWNEL-----KVSPVPCRPAAEALLCNHIFQECSPGVVP 388

QY 274 -----CCCRCC-----FCCRKRGRFIOFKKSEKTKETETESNGNSGYNSDEQKT 323
DB 389 TPIDICREYCLAVKELFCAKE-----WLWMEKTHRGLYRSEMILLSVPECKLPSMEHWP 444

QY 324 TDTASLPKSCSSDPQRNSSCGPPHQRADQRP-----PRPASHQASFNLA 371
DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

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RESULT 7
US-09-077-955-33
; Sequence 33, Application US/09077955A
; Patent No. 6413740
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,955A

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; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; EARLIER FILING DATE: 1995-12-15
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-077-955-33

```

```

Query Match 6.1%; Score 126.5; DB 4; Length 869;
Best Local Similarity 20.9%; Pred. No. 0.012;
Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 15 EVIEGPONATVLKGSQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 73
DB 122 KITRPPINVKIIEGLKAVLPCTTMGNPKPSVSWIKGD-----SPLRENSRIAVLE- 171

QY 74 DQGNFTSEMIHNVPSDSNIRCSLQNSRLHGSAY-LTVQVNGELFIPSVNLVVAENE 132
DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 133 P-----CEVTCLPSHWTLPDISW-ELGLLVSHSSYYFVPEPSDQSAVSLALTPQ 183
DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLRLQIFITKP- 277

QY 184 SNGTLTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 230
DB 278 --GLYTCIATNKHGKEFKSTAKAAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADLV 335

QY 231 SLGFSL-----PTWGVKVLGLAGTMLLTPTCTLTIRCCCRRCGCGN----- 273
DB 336 FLNTSYADPBEAQELLVHTAWNEL-----KVSPVPCRPAAEALLCNHIFQECSPGVVP 388

QY 274 -----CCCRCC-----FCCRKRGRFIOFKKSEKTKETETESNGNSGYNSDEQKT 323
DB 389 TPIDICREYCLAVKELFCAKE-----WLWMEKTHRGLYRSEMILLSVPECKLPSMEHWP 444

QY 324 TDTASLPKSCSSDPQRNSSCGPPHQRADQRP-----PRPASHQASFNLA 371
DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

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RESULT 8
US-09-062-365-1
; Sequence 1, Application US/09062365
; Patent No. 6465422
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Stern, David
; TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A
; FILE REFERENCE: 55424
; CURRENT APPLICATION NUMBER: US/09/062,365
; CURRENT FILING DATE: 1998-04-17
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 332
; TYPE: PRT
; ORGANISM: Human
; US-09-062-365-1

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Query Match 6.0%; Score 123.5; DB 4; Length 332;
Best Local Similarity 24.1%; Pred. No. 0.006;
Matches 65; Conservative 33; Mismatches 89; Indels 83; Gaps 14;

QY 15 EVIEGPONATVLKGSQARFNCTVSGW---WKLIMWALSDMVVLSVRPMEPIITNDRFTS- 70

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Db 103 EIVDSASELTA--GVNPKVCTVSEGSYPACTLSWHLDG-----KPLVNEKGVSV 151
QY 71 ----QRYDQGNFT--SEMIHNVPSDSNIR-----CSLQNSRLHGSAYLTQVMGELF 120
Db 152 KEQTRRHPTGLTLOSELN---VTPARGDPRPTFSCFSPGLPRHRALRTAPIQPRVW 208
QY 121 IP-----SVNLVVAENP-----CEVTCLPSHWTRLPDLSWELGLLVSHSSY 162
Db 209 EPVPLEVQLW---EPEGGAVAPGGTTLTCEVPAQPS-----PQIHNMKD----- 252
QY 163 YFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCPQDTGGGINI 222
Db 253 -GVPLPLPPSVLILPEIGDQDQGTQVSCVATHSHGQESRAVSIISIE-PGEG----- 305
QY 223 PGVLSLPSLGSFLPTWKGVLGLAGTMLL 252
Db 306 -----PTAGSVGGSLGTAL 321

RESULT 9

US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303

GENERAL INFORMATION:
; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 2

; LENGTH: 340

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-651-200-2

Query Match

Best Local Similarity 5.9%; Score 122.5; DB 4; Length 340;

Mismatches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

QY 10 SGSNEVIEGPQATV-LKGSQARFNCTVS--QGWKL-----INWALSDMVLSVRPMEPI 62
Db 48 SPTGAVEVQVPEPVPVVALVGTDLTHCSFSPFGLTQLNLWLTDTKQLV----- 100
QY 63 ITNDRTSQRDQGNF-----TSEMIHNVPSDSNIRCSLQNSRLHGS 108
Db 101 ---HSFTEGR-DGGSAYANRTALFPDLLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 155
QY 109 AYLTQVMGELFTIPSNLV-----VAENPECVTLPSHWTRLP--DISWELGL---LVSH 159
Db 156 AAVSLQVAAPYSPKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDGGVPLTGN 213
QY 160 SSYFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---ODT 216
Db 214 VTTSQMANEGGLFDVHSVLRLVGLANGTYSCTSC-----LVRNPLVQQDA 255
QY 217 GGGINIPGVLSLPSLGSFLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCRCCGCCNCCC 276
Db 256 HGSVTTTGQMTFPPEAL-----WVTGLSVCLIALLV----- 288
QY 277 RCFCCRRKRGFRIFQKKSEKTKETETESNGNSGYNSEDQKTTDTASLPKSCS 336
Db 289 ALAFVCWRK-----IKQSCSEENAGAEQDQG-----EGGSKTALQPLKHSDS 331

QY 337 SDPE 340
Db 332 KEDD 335

RESULT 10

US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303

GENERAL INFORMATION:
; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 4

; LENGTH: 441

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-651-200-4

Query Match

Best Local Similarity 5.9%; Score 122.5; DB 4; Length 441;

Mismatches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

QY 10 SGSNEVIEGPQATV-LKGSQARFNCTVS--QGWKL-----INWALSDMVLSVRPMEPI 62
Db 149 SPTGAVEVQVPEPVPVVALVGTDLTHCSFSPFGLTQLNLWLTDTKQLV----- 201
QY 63 ITNDRTSQRDQGNF-----TSEMIHNVPSDSNIRCSLQNSRLHGS 108
Db 202 ---HSFTEGR-DGGSAYANRTALFPDLLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 256
QY 109 AYLTQVMGELFTIPSNLV-----VAENPECVTLPSHWTRLP--DISWELGL---LVSH 159
Db 257 AAVSLQVAAPYSPKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDGGVPLTGN 314
QY 160 SSYFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---ODT 216
Db 315 VTTSQMANEGGLFDVHSVLRLVGLANGTYSCTSC-----LVRNPLVQQDA 356
QY 217 GGGINIPGVLSLPSLGSFLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCRCCGCCNCCC 276
Db 357 HGSVTTTGQMTFPPEAL-----WVTGLSVCLIALLV----- 389
QY 277 RCFCCRRKRGFRIFQKKSEKTKETETESNGNSGYNSEDQKTTDTASLPKSCS 336
Db 390 ALAFVCWRK-----IKQSCSEENAGAEQDQG-----EGGSKTALQPLKHSDS 432
QY 337 SDPE 340
Db 433 KEDD 436

RESULT 11

US-09-700-397-4

; Sequence 4, Application US/09700397
; Patent No. 6664383

GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.

; TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of

; FILE REFERENCE: Q61459


```

; CURRENT APPLICATION NUMBER: US/09/700,397
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-700-397-4

Query Match
Best Local Similarity 24.1%; Pred. No. 0.0075;
Matches 58; Conservative 38; Mismatches 97; Indels 48; Gaps 12;

QY 22 NATVLKGSQARFNCVTSQGWKLIMWALSDMVVLS-----VRPMEPIITNDRFTSQRYDQ 75
Db 13 NVTVQGESATLRCTIDNRVTRVAVLNARSTILYAGNDKWCIDPRVLLSN---TQTY-- 67

QY 76 GGNFTSEMIHNVFSDSGNIRCSLQ-----NSRLHGSAYLTVQVMGELFIPSVNLVVA 129
Db 68 -----STIEIQNDVYDEGPTCSVQTDNHPKTSRVH---LIVQSPKIVEISSDISIN 117

QY 130 ENEPCEVTCLPSHWTRLPDISWELGLLVSHSSYFVPEPSDLOSASVILALTPQSNGLTL 189
Db 118 EGNISLTCTIATGRPE-PTVTWR---HISPKAVGFVSEDEYLE---IQGITREQSGDYE 169

QY 190 CVATWKSILKARKSATVNLTVIRCP-----QDTGGGINIPGVL-----SSLPSLGFSLPTWG 240
Db 170 CSAS-NDVAAPVVRVRKVTVNYPYISEAKGTGVPVQKGTLQCEASAVPSAEFQ---WY 225

QY 241 K 241
Db 226 K 226

RESULT 12
US-09-700-397-3
; Sequence 3, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of
; FILE REFERENCE: Q61459
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Clone OC001 derived from human brain
US-09-700-397-3

Query Match
Best Local Similarity 24.1%; Pred. No. 0.0086;
Matches 58; Conservative 38; Mismatches 97; Indels 48; Gaps 12;

QY 22 NATVLKGSQARFNCVTSQGWKLIMWALSDMVVLS-----VRPMEPIITNDRFTSQRYDQ 75
Db 44 NVTVQGESATLRCTIDNRVTRVAVLNARSTILYAGNDKWCIDPRVLLSN---TQTY-- 98

QY 76 GGNFTSEMIHNVFSDSGNIRCSLQ-----NSRLHGSAYLTVQVMGELFIPSVNLVVA 129

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RESULT 15
US-08-633-148-4
; Sequence 4, Application US/08633148
; Patent No. 5864018
; GENERAL INFORMATION:
; APPLICANT: MORSER, MICHAEL J.
; APPLICANT: NAGASHIMA, MARIKO
; APPLICANT: HOLLANDER, DORIS A.
; TITLE OF INVENTION: ANTIBODIES TO ADVANCED GLYCOSYLATION

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 15:02:03 ; Search time 40.0537 Seconds

(without alignments)
2991.654 Million cell updates/sec

Title: US-09-729-264-2

Perfect score: 2059

Sequence: 1 MGLVIFLHSGSGNEVEIGP.....HPQAFNLASPEKVSNTTVV 382

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313682936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2014	97.8	407	15	US-10-104-047-3074
2	147.5	7.2	390	16	Sequence 3074, Ap
3	147.5	7.2	390	16	Sequence 98, Appl
4	147.5	7.2	404	16	Sequence 100, App
5	142	6.9	405	8	Sequence 96, Appl
6	140	6.8	633	14	Sequence 4, Appl
7	138.5	6.7	2473	14	Sequence 26, Appl
8	138.5	6.7	2473	14	Sequence 559, App
9	138	6.7	592	12	Sequence 559, App
10	138	6.7	592	14	Sequence 2, Appl
11	136	6.6	594	14	Sequence 2, Appl
12	136	6.6	594	14	Sequence 12, Appl
13	136	6.6	708	12	Sequence 12, Appl
14	136	6.6	708	12	Sequence 584, App
15	136	6.6	708	12	Sequence 584, App

16	136	6.6	708	12	US-10-205-890-584	Sequence 584, App
17	136	6.6	708	12	US-10-208-024-584	Sequence 584, App
18	136	6.6	708	12	US-10-201-853-584	Sequence 584, App
19	136	6.6	708	12	US-10-174-581-584	Sequence 584, App
20	136	6.6	708	12	US-10-176-483-584	Sequence 584, App
21	136	6.6	708	12	US-10-176-749-584	Sequence 584, App
22	136	6.6	708	12	US-10-176-914-584	Sequence 584, App
23	136	6.6	708	12	US-10-176-915-584	Sequence 584, App
24	136	6.6	708	12	US-10-176-915-584	Sequence 584, App
25	136	6.6	708	12	US-10-180-550-584	Sequence 584, App
26	136	6.6	708	12	US-10-183-014-584	Sequence 584, App
27	136	6.6	708	12	US-10-187-738-584	Sequence 584, App
28	136	6.6	708	12	US-10-187-740-584	Sequence 584, App
29	136	6.6	708	12	US-10-187-883-584	Sequence 584, App
30	136	6.6	708	12	US-10-194-363-584	Sequence 584, App
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32	136	6.6	708	12	US-10-194-463-584	Sequence 584, App
33	136	6.6	708	12	US-10-194-484-584	Sequence 584, App
34	136	6.6	708	12	US-10-195-884-584	Sequence 584, App
35	136	6.6	708	12	US-10-195-896-584	Sequence 584, App
36	136	6.6	708	12	US-10-196-744-584	Sequence 584, App
37	136	6.6	708	12	US-10-196-755-584	Sequence 584, App
38	136	6.6	708	12	US-10-196-757-584	Sequence 584, App
39	136	6.6	708	12	US-10-197-704-584	Sequence 584, App
40	136	6.6	708	12	US-10-197-710-584	Sequence 584, App
41	136	6.6	708	12	US-10-198-758-584	Sequence 584, App
42	136	6.6	708	12	US-10-198-766-584	Sequence 584, App
43	136	6.6	708	12	US-10-199-304-584	Sequence 584, App
44	136	6.6	708	12	US-10-199-309-584	Sequence 584, App
45	136	6.6	708	12	US-10-199-313-584	Sequence 584, App

ALIGNMENTS

RESULT 1
US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3074
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-104-047-3074

Query Match 97.8%; Score 2014; DB 15; Length 407;
Best Local Similarity 99.7%; Pred. No. 2,2e-165;
Matches 373; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY	9	GGSGGNEVIEGPNATVLKGSQARFNCTVSCQKLMALSDMVLSVRPMEPIITNDRF	68
Db	34	GGSGGNEVIEGPNATVLKGSQARFNCTVSCQKLMALSDMVLSVRPMEPIITNDRF	93
QY	69	TSQRYDQGGNFTSEMIHNVPESDSGNRCISLQNSRLHGSAYLTQVMGELFIPSVNLV	128
Db	94	TSQRYDQGGNFTSEMIHNVPESDSGNRCISLQNSRLHGSAYLTQVMGELFIPSVNLV	153
QY	129	ANENECEVTCLPSHWTRLPDISWELGLVSHSSYFVPEPSDLQSAVSLALTPQSNGLT	188
Db	154	ANENECEVTCLPSHWTRLPDISWELGLVSHSSYFVPEPSDLQSAVSLALTPQSNGLT	213
QY	189	TCVATWKSILKARKSATVNLTVIRCPQDTGGGNIIGVLSLPSLGSFSLPTWKVGLGLAG	248

214	TCVATKSLKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGFSLPTWGVKVLGLAG	273
249	TMLLTPTCTLIIRCCCRRCGCGNCCRCFCRCRRKGRFIQFKKSEKTNKETETE	308
274	TMLLTPTCTLIIRCCCRRCGCGNCCRCFCRCRRKGRFIQFKKSEKTNKETETE	333
309	SGNENSGVNSDEQKTTDTASLPPKSCESDPQRNSSCGPPHQRADORPPRPASHPQASF	368
334	SGNENSGVNSDEQKTTETASLFPKSCESDPQRNSSCGPPHQRADORPPRPASHPQASF	393
369	NLASPEKVSNTTVV	382
394	NLASPEKVSNTTVV	407

RESULT 2

US-10-309-290-98
; Sequence 98, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chhillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Payman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,345
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274


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; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 100
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-100

Query Match
Best Local Similarity 7.2%; Score 147.5; DB 16; Length 390;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPONATVLKQSQARFNCTVSOG---WKLIMWALSDMVVLSVRPMEPIITNDRFTS- 70
Db 111 EIVDSASELTA--GVNPKVGTVCSEGSYPAGTUSWHLDG-----KPLVNEKGVSV 159

QY 71 ----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAYLTVQVMGELF 120
Db 160 KEQTRRHPTGLTLOSELN---VTPARGGDRPRTFSCSFGLPRHRLRTAPIQPRVM 216

QY 121 IP-----SVNLVVAENP-----CEVTLCPHSHWTRLPDISWELGLLVSHSSY 162
Db 217 EPVPLEEVQLVV---EPEGAVAPGGTVTLTCEVPAQPS-----PQIHWMKD----- 260

QY 163 YFVPEPDLQSAVSIILALTPQNGTLTVCATWKSARKSATVNLTVIRCPDPTGGGINI 222
Db 261 -GVPLPLPPSPVLLPEIGPQDQTYSCVATHSHHGQPSRAVISIIE-PEEG----- 313

QY 223 PGVLSLPSLGSPLTPWKGVLGLACTMLLT-----PTCLTIRCCCRRCGCCNCC 275
Db 314 -----PTAGSVGGSGGLTALGILGGLTAALLIGVILWQRR----- 352

QY 276 CRCCFCRRKRGRIQFOKKSEKKT--NKETETESGENSGNSDEQKTTTASLPKPS 333
Db 353 -----QRRGERKAPENOEEREAELN----- 375

QY 334 CESSDPEQRNSSCGPP 349
Db 376 -QSEEPAGESSTGGP 390

RESULT 4
US-10-309-290-96
; Sequence 96, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
```

```
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 96
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-96

Query Match
Best Local Similarity 7.2%; Score 147.5; DB 16; Length 404;
Matches 85; Conservative 40; Mismatches 114; Indels 137; Gaps 18;

QY 15 EVIEGPONATVLKQSQARFNCTVSOG---WKLIMWALSDMVVLSVRPMEPIITNDRFTS- 70
Db 125 EIVDSASELTA--GVNPKVGTVCSEGSYPAGTUSWHLDG-----KPLVNEKGVSV 173

QY 71 ----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAYLTVQVMGELF 120
Db 174 KEQTRRHPTGLTLOSELN---VTPARGGDRPRTFSCSFGLPRHRLRTAPIQPRVM 230

QY 121 IP-----SVNLVVAENP-----CEVTLCPHSHWTRLPDISWELGLLVSHSSY 162
Db 231 EPVPLEEVQLVV---EPEGAVAPGGTVTLTCEVPAQPS-----PQIHWMKD----- 274
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Best Local Similarity 29.5%; Pred. No. 0.033;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 179 ALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFSLPT 238
Db 2274 AATTGAAGTTTCAATTAATAATTTAATATGTTTCC-----2307
QY 239 WGVKVLGLAGTMLLTPTCTLTIRCCCR-RRCCGNCNCCRCFC 282
Db 2308 -----ATTCTCATGCGCCACCCACCCGCGCCACCCACC 2344

RESULT 8

US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match 6.7%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.033;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 179 ALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFSLPT 238
Db 2274 AATTGAAGTTTCAATTAATAATTTAATATGTTTCC-----2307
QY 239 WGVKVLGLAGTMLLTPTCTLTIRCCCR-RRCCGNCNCCRCFC 282
Db 2308 -----ATTCTCATGCGCCACCCACCCGCGCCACCCACC 2344

RESULT 9

US-10-312-528-2
; Sequence 2, Application US/10312528
; Publication No. US20030211517A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; APPLICANT: SUN, CHAO
; TITLE OF INVENTION: GP354 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097PCT00454-114
; CURRENT APPLICATION NUMBER: US/10/312,528
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2

; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-528-2

Query Match 6.7%; Score 138; DB 12; Length 592;
Best Local Similarity 23.8%; Pred. No. 0.0052;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPQNAVTLKGSQARFNCTVSGWKLMWALSMDVLSVRPMEPI 62
Db 10 LFCFRSGAGSPHFLQOPEDLVLLGEEARLPCALGAYWGLVQWTKSGLALGQR-----64
QY 63 ITNDRFTSORYDQGNFTS---EMITHNVEPDSGNIRCSLQNSRLHG-SAYLTV-----113
Db 65 ---DLPGWSRYWISGNAANGQHDHLIRPVELEDEASYEQATQAGLRSPQAHLVLPPE 121
QY 114 --QVMGELFIPSNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGILLVSHSSYY--FVPE 167
Db 122 APQVLGG---PSVSLVA--GVPANLTCRSGRDARPTPELLWFRDGVLLDGTTFHQTLKE 176
QY 168 --PSDLQSAVSILALTPQSNGLTLCVATWKSARKSATVNLTVIRCPQDT 216
Db 177 GTPGSVESTLTTLTPFSHDDGATFVCRARSQALPTGRDITAILSLQYPPEVT 227

RESULT 10

US-10-180-410-2
; Sequence 2, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PAMCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CJP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 592
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-2

Query Match 6.7%; Score 138; DB 14; Length 592;
Best Local Similarity 23.8%; Pred. No. 0.0052;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHSGSGNEVIEGPQNAVTLKGSQARFNCTVSGWKLMWALSMDVLSVRPMEPI 62
Db 10 LFCFRSGAGSPHFLQOPEDLVLLGEEARLPCALGAYWGLVQWTKSGLALGQR-----64
QY 63 ITNDRFTSORYDQGNFTS---EMITHNVEPDSGNIRCSLQNSRLHG-SAYLTV-----113
Db 65 ---DLPGWSRYWISGNAANGQHDHLIRPVELEDEASYEQATQAGLRSPQAHLVLPPE 121
QY 114 --QVMGELFIPSNLVVAENEPCEVTCLPSHWTR-LPDISW-ELGILLVSHSSYY--FVPE 167
Db 122 APQVLGG---PSVSLVA--GVPANLTCRSGRDARPTPELLWFRDGVLLDGTTFHQTLKE 176
QY 168 --PSDLQSAVSILALTPQSNGLTLCVATWKSARKSATVNLTVIRCPQDT 216
Db 177 GTPGSVESTLTTLTPFSHDDGATFVCRARSQALPTGRDITAILSLQYPPEVT 227

RESULT 11


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US-10-312-528-12
; Sequence 12, Application US/10312528
; Publication No. US20030211517A1
; GENERAL INFORMATION:
; APPLICANT: BIOGEN, INC.
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; APPLICANT: SUN, CHAO
; TITLE OF INVENTION: GP354 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097PCT00454-114
; CURRENT APPLICATION NUMBER: US/10/312,528
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-312-528-12

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0078;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

QY 3 LVIFLHGSGSNEVIEGPQNAVTLKGSQARFNCTVSGWKLMWALSMDVLSVRPMEPI 62
Db 10 LFCFRGRAGSPHFLQPEDLVLLGGEARLPCALGAYWGLVQWTKSGLALGGOR----- 64

QY 63 ITNDRFTSQRYDOGNFTS-----EMIHNVEPSDGNIRCSLQNSRLHG-SAYLTV----- 113
Db 65 ---DLPGWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLRSRPAQLHLVLPPE 121

QY 114 --QVMGELFIPSVNLVAENPECVTLCPSHWTR-LPDISW-ELGLLVSHSSYY--FVPE 167
Db 122 APQVLGG---PSVSLVA--GVPAANTCSRSGDARPTPELLWFRDGVLLDGTATHTQLLKE 176

QY 168 --PSDLOSASVILALTPQSNGLTLCVATWKSLLKARKSATVNLTVIRCPQDT 216
Db 177 GTPGSVESTLTLPFSHDDGATFVCRARSQALPTGRDTAITLSLQYPPEVT 227

RESULT 13
US-10-206-915-584
; Sequence 584, Application US/10206915
; Publication No. US20040029221A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430KIC513
; CURRENT APPLICATION NUMBER: US/10/206,915
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 584
; LENGTH: 708
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-915-584

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0099;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

```

```

US-10-180-410-12
; Sequence 12, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-12

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0078;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

```

```

US-10-180-410-12
; Sequence 12, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-12

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0078;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

```

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US-10-180-410-12
; Sequence 12, Application US/10180410
; Publication No. US20030148382A1
; GENERAL INFORMATION:
; APPLICANT: SUN, CHAO
; APPLICANT: CARULLI, JOHN P.
; APPLICANT: LUKASHIN, ALEXANDER V.
; APPLICANT: KILBURN, DANIEL R.
; TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: A097 CIP
; CURRENT APPLICATION NUMBER: US/10/180,410
; CURRENT FILING DATE: 2002-05-24
; PRIOR APPLICATION NUMBER: PCT/US01/19904
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: 60/213,611
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 594
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-180-410-12

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0078;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

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US-10-206-915-584
; Sequence 584, Application US/10206915
; Publication No. US20040029221A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430KIC513
; CURRENT APPLICATION NUMBER: US/10/206,915
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 584
; LENGTH: 708
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-915-584

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0099;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

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US-10-206-915-584
; Sequence 584, Application US/10206915
; Publication No. US20040029221A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430KIC513
; CURRENT APPLICATION NUMBER: US/10/206,915
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 584
; LENGTH: 708
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-206-915-584

Query Match
Best Local Similarity 23.8%; Pred. No. 0.0099;
Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;

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QY 63 ITNDRFTSQRXDOGNFTS---EMIIHNVPDSGNIRCSLQNSRLHG-SAYLTV----- 113
 Db 68 ---DLPQWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLSRPAQLHVLVPE 124
 QY 114 --QVMGELFIPSVNLVVAENPECVTCLPSHWTR-LPDISW-ELGLLVSHSSYY--FVPE 167
 Db 125 APQVLGG---PSVSLVA--GVPANLTCRSRGDARPTPELLWFRDGVLLDGAFTHTLLKE 179
 QY 168 --PSDLOSAVSIILALTPQSNGLTTCVATWKSLLKARKSATVNLTVIRCPQDT 216
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US-10-199-670-584
 ; Sequence 584, Application US/10199670
 ; Publication No. US20040033560A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3430R1C401
 ; CURRENT APPLICATION NUMBER: US/10/199,670
 ; CURRENT FILING DATE: 2002-07-19
 ; PRIOR APPLICATION NUMBER: 10/052586
 ; PRIOR FILING DATE: 2002-01-15
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059266
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/063120
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063121
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063486
 ; PRIOR FILING DATE: 1997-10-21
 ; PRIOR APPLICATION NUMBER: 60/063540
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063541
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063544
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 584
 ; LENGTH: 708
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-199-670-584

Query Match 6.6%; Score 136; DB 12; Length 708;
 Best Local Similarity 23.8%; Pred. No. 0.0099;
 Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;
 QY 3 LVIFLHGSGSNEVIGPONATVLKGSQARNCTVSGQKLIWALSDMVLSVRPMEPI 62
 Db 13 LFCFRGRGSPHFLOQPEDLVLLGEEARLPALCAYWGLVQWTKSGLALGGQR----- 67
 QY 63 ITNDRFTSQRXDOGNFTS---EMIIHNVPDSGNIRCSLQNSRLHG-SAYLTV----- 113

Db 68 ---DLPQWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLSRPAQLHVLVPE 124
 QY 114 --QVMGELFIPSVNLVVAENPECVTCLPSHWTR-LPDISW-ELGLLVSHSSYY--FVPE 167
 Db 125 APQVLGG---PSVSLVA--GVPANLTCRSRGDARPTPELLWFRDGVLLDGAFTHTLLKE 179
 QY 168 --PSDLOSAVSIILALTPQSNGLTTCVATWKSLLKARKSATVNLTVIRCPQDT 216
 Db 180 GTFGSVESTLTLPFPFSDHGDGATFVCRARSQALPTGRDTAITLSLQYPPVPT 230

RESULT 15

US-10-201-858-584
 ; Sequence 584, Application US/10201858
 ; Publication No. US2004003837A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3430R1C464
 ; CURRENT APPLICATION NUMBER: US/10/201,858
 ; CURRENT FILING DATE: 2002-07-23
 ; PRIOR APPLICATION NUMBER: 10/052586
 ; PRIOR FILING DATE: 2002-01-15
 ; PRIOR APPLICATION NUMBER: 60/059263
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/059266
 ; PRIOR FILING DATE: 1997-09-18
 ; PRIOR APPLICATION NUMBER: 60/062250
 ; PRIOR FILING DATE: 1997-10-17
 ; PRIOR APPLICATION NUMBER: 60/063120
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063121
 ; PRIOR FILING DATE: 1997-10-24
 ; PRIOR APPLICATION NUMBER: 60/063486
 ; PRIOR FILING DATE: 1997-10-21
 ; PRIOR APPLICATION NUMBER: 60/063540
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063541
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR APPLICATION NUMBER: 60/063544
 ; PRIOR FILING DATE: 1997-10-28
 ; PRIOR Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 584
 ; LENGTH: 708
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-201-858-584

Query Match 6.6%; Score 136; DB 12; Length 708;
 Best Local Similarity 23.8%; Pred. No. 0.0099;
 Matches 55; Conservative 40; Mismatches 106; Indels 30; Gaps 10;
 QY 3 LVIFLHGSGSNEVIGPONATVLKGSQARNCTVSGQKLIWALSDMVLSVRPMEPI 62
 Db 13 LFCFRGRGSPHFLOQPEDLVLLGEEARLPALCAYWGLVQWTKSGLALGGQR----- 67
 QY 63 ITNDRFTSQRXDOGNFTS---EMIIHNVPDSGNIRCSLQNSRLHG-SAYLTV----- 113
 Db 68 ---DLPQWSRYWISGNAANGQHDHIRPVELEDEASVECOATQAGLSRPAQLHVLVPE 124
 QY 114 --QVMGELFIPSVNLVVAENPECVTCLPSHWTR-LPDISW-ELGLLVSHSSYY--FVPE 167

Fri Aug 6 08:39:25 2004

Db 125 APOVLGG---PSVSLVA--GVPANLTCRSGRGDARPTPELLWFRDGVLLDGA TEHQTLKE 179
QY 168 --PSDLQSAVSIILATPQSNGLTLCVATWKSXLKARKSATVNLTVIRCPQT 216
Db 180 GTFGSVESTLTLPFSHDDGATFVCRARSOALPTGRDTAITLSLQYPPEVT 230

Search completed: July 30, 2004, 15:15:38
Job time : 41.0537 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 14:57:22 ; Search time 15.052 Seconds
(without alignments)
1323.919 Million cell updates/sec

Title: US-09-729-264-6
Perfect score: 2077
Sequence: 1 MERHLITVPEAVGSGSNEV.....HPQAFNLASPEKVSNTTVV 386

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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2: /cgn2_6/prodata/2/iaa/5B COMB.pep.*
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6: /cgn2_6/prodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	151	7.3	404	US-09-638-649-3	Sequence 3, Appli
2	128.5	6.2	1345	US-08-377-767-3	Sequence 3, Appli
3	128	6.2	1447	US-09-041-886-25	Sequence 25, Appli
4	128	6.2	1447	PCT-US94-05277-2	Sequence 2, Appli
5	127.5	6.1	869	US-08-374-834-16	Sequence 16, Appli
6	127.5	6.1	869	US-08-644-271-29	Sequence 29, Appli
7	127.5	6.1	869	US-09-077-955-33	Sequence 33, Appli
8	127	6.1	332	US-09-062-365-1	Sequence 1, Appli
9	124.5	6.0	340	US-09-651-200-2	Sequence 2, Appli
10	124.5	6.0	441	US-09-651-200-4	Sequence 4, Appli
11	123.5	5.9	534	US-09-651-200-6	Sequence 6, Appli
12	123.5	5.9	534	US-09-651-200-24	Sequence 24, Appli
13	123	5.9	313	US-09-700-397-4	Sequence 4, Appli
14	123	5.9	344	US-09-700-397-3	Sequence 3, Appli
15	122	5.9	318	US-08-633-148-4	Sequence 4, Appli
16	122	5.9	340	US-08-633-148-2	Sequence 2, Appli
17	114.5	5.5	1461	US-09-976-594-531	Sequence 531, Appli
18	114	5.5	868	US-08-374-834-1	Sequence 1, Appli
19	114	5.5	868	US-08-644-271-1	Sequence 1, Appli
20	114	5.5	868	US-09-077-955-1	Sequence 1, Appli
21	114	5.5	1395	US-09-540-245A-15	Sequence 15, Appli
22	113.5	5.5	416	US-09-638-649-1	Sequence 1, Appli
23	113	5.4	689	US-09-499-964-1	Sequence 1, Appli
24	111.5	5.4	316	US-09-910-174B-24	Sequence 24, Appli
25	111.5	5.4	316	US-09-620-461-24	Sequence 24, Appli
26	111	5.3	365	US-08-379-424-3	Sequence 3, Appli
27	111	5.3	365	US-09-272-496-2	Sequence 2, Appli

28 109.5 5.3 325 4 US-09-651-200-20 Sequence 20, Appli
29 109.5 5.3 478 5 PCT-US95-08493-15 Sequence 15, Appli
30 109.5 5.3 860 5 PCT-US95-08493-19 Sequence 19, Appli
31 109.5 5.3 868 5 PCT-US95-08493-21 Sequence 21, Appli
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33 109.5 5.3 890 3 US-08-170-558-2 Sequence 2, Appli
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37 109.5 5.3 911 2 US-08-441-104A-1 Sequence 1, Appli
38 109.5 5.3 911 2 US-08-440-816A-1 Sequence 1, Appli
39 109.5 5.3 911 3 US-09-417-381A-1 Sequence 1, Appli
40 107.5 5.2 362 1 US-08-415-751-6 Sequence 6, Appli
41 106.5 5.1 946 5 PCT-US95-08493-13 Sequence 13, Appli
42 106 5.1 801 1 US-07-906-349A-6 Sequence 6, Appli
43 106 5.1 1497 4 US-09-060-854B-2 Sequence 2, Appli
44 105 5.1 319 1 US-08-597-495B-22 Sequence 22, Appli
45 105 5.1 319 3 US-09-068-051A-22 Sequence 22, Appli

ALIGNMENTS

RESULT 1

US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Yan, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; TITLE OF INVENTION: GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638, 649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match 7.3%; Score 151; DB 4; Length 404;
Best Local Similarity 23.3%; Pred. No. 2.8e-05;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;
QY 9 PEAVGSGSNEVIEGPONATVLKGSQARFNCVTSQG---WKLIMWALSDMVLSVRPMEP 65
DB 124 PEIVDSAS---ELTAGVFN-----KVGTCVSEGSYPAGTLSWHLDG-----KP 163
QY 66 ITNDRAFTS-----QRYDOGNFT--SEMIHNVPDSGNIR-----CSLQNSRLHGSAY 114
DB 164 LVPNEKGVSKQTRRHPTGLTLOSELN---VTPARGDPRPTFSCSFSPGLPHRAL 220
QY 115 LTVQVNGELFIP---SVNLVVAENEP-----CEVTCPLPSHTRLPDISWE 156
DB 221 RTAPIQPRVWPEVPLEEVQLVV---EPEGGAVAPGGTVTLTCEVPAQPS-----PQIHHM 272
QY 157 LGLLVSHSYFYFPPPSDLOSVAISILATPQSNGLTCTVATKSLKARSGATNLTIVRC 216
DB 273 KD-----GVPLPLPPSPVLIIFEIGPDQGTYSVCVATHSHSGPQSRVAVSIIIE- 322
QY 217 PDOTGGGINIPGVLSLPSLPSLPTWKGVLGLAGTMLLT-----PTCTLTIRCCCC 269
DB 323 PDEEG-----PTAGSVGGSGGLTALALGILGGLGTAALLIGVILM 363
QY 270 RERCCGCCNCCRCFCRRKRGRFRIQFOKKSEKFT--NKETETBSGNSGYNSEQKT 327
DB 364 ORR-----QRRGERKAPENQEEERAEIN----- 389

QY 328 TETASLPKSCSSDEQRNSSCGPP 353
Db 390 -----QSEEPAGESSTGGP 404

RESULT 2
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Yue, Henry
; APPLICANT: Greenwald, Sara
; APPLICANT: Corley, Neil C.
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/977,767
; FILING DATE: Herewith
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0423 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1345 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.015;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;
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Db 414 GTCTCTGT-----GC-CGTGGGAAGCGTCAGAGCCCGTGGATGTGGA 455
QY 246 VGLGLAGTWMLT-PTCTLTIRCCRRCCGNCRC-----CFCC 286
Db 456 CGTGAAGAGGGCTCTATGACCCCTTCTGCCCTCTGAGACTCAGACCC 507

RESULT 3
US-09-041-886-25
; Sequence 25, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.

; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1447 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-041-886-25

Query Match 6.2%; Score 128; DB 3; Length 1447;
Best Local Similarity 24.8%; Pred. No. 0.019;
Matches 60; Conservative 33; Mismatches 99; Indels 50; Gaps 10;
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Db 220 SRTGNEAEVRLSDPGLHRQLYFLQPSNVVAIEGKQAVLECCVS-GYPFSTWLRGEE 278
QY 56 VVLSVRPMEPIITNDRFTSQYDQGNFTSEMIHNVEPDSGNIRC--SLONSRLHSA 113
Db 279 VI-----QLRSKKYSLGG--SNLLISNVTDDBSGMYTCVVTYKNENISASA 323
QY 114 YLTQVVMGELFIPSVNLVVAENEPEVTCCLPSHWTRLPDISW-ELGLLVSHSSYFVPEP 172
Db 324 ELTVLVPFPLNHPNLYAYESMDIEFECTVS-GKPVPTVNMKMGDVVIFSDYFIQVGG 382
QY 173 SDLOSASVILALTPQSNGLTCTVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGVLS 232
Db 383 SNLR-----ILGVKSDGEFYQCVAENAGNAQTSALIVPKPAIPSSS-----VLPS 430
QY 233 LP 234
Db 431 AP 432

RESULT 4
PCT-US94-05277-2
; Sequence 2, Application PC/TUS9405277
; GENERAL INFORMATION:
; APPLICANT: Bruskin, Arthur
; APPLICANT: Jarosz, David E.
; APPLICANT: Johnson, Karen
; APPLICANT: Kinzler, Kenneth W.
; APPLICANT: Vogelstein, Bert
; APPLICANT: Zaretsky, James R.
; TITLE OF INVENTION: Antibodies Specific for DCC Gene Product
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch, McKie & Beckett
 STREET: 1001 G Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20001
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/05277
 FILING DATE:
 CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:
 NAME: Kagan, Sarah A.
 REGISTRATION NUMBER: 32,141
 REFERENCE/DOCKET NUMBER: 01107.42709

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202.508.9100
 TELEFAX: 202.508.9299
 TELEX: 197430 BBMB UT

INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1447 amino acids
 TYPE: amino acid
 TOPOLOGY: linear

MOLECULE TYPE: protein
 PCT-US94-05277-2

Query Match 6.2%; Score 128; DB 5; Length 1447;

Best Local Similarity 24.8%; Pred. No. 0.019; Indels 50; Gaps 10; Matches 60; Conservative 33; Mismatches 99;

QY 14 SSGSNEV-----IEGPQNAVTLKGSQARENCVTSQGW--KLIMWALS DM 55
 DB 220 SRTGNEAEVRLSDPGLHRLQYFLQRPNNVAIEGDAVLECCVS-GYPPPSFTWL RGE 278
 QY 56 VLVSVRMEPIIINDRFTSORYQOGNFTSEMIHNVPSDSGNIRC--SLQNSRLHGS 113
 DB 279 VI-----QLRSKYSLLGG--SNLLISNVTDSDGMYTCVVTYKNENISASA 323
 QY 114 YLTVQVMGELFIPSNLVAENEPCEVTLCPSHWTRLPLDSW-ELGLLVSHSSYFVPEP 172
 DB 324 ELTVLPVFPFLNPSLNYAYESWDIEFECTVS-GKVPVTVMWKGDDVLPSPDYFQLVG 382
 QY 173 SDIQSAVSILALPQSNGLTLCVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGLSS 232
 DB 383 SNLR----ILGVVKSDEGFFQCVAEAGNAQTSALQIVPKPAIPSS-----VLPS 430
 QY 233 LP 234
 DB 431 AP 432

RESULT 5

US-08-374-834-16

Sequence 16, Application US/08374834
 Patent No. 5656473

GENERAL INFORMATION:

APPLICANT: Valenzuela, et al.
 TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTOR

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESSEE: Regeneron Pharmaceuticals, Inc.

STREET: 777 Old Saw Mill River Road

CITY: Tarrytown

STATE: New York

COUNTRY: USA

ZIP: 10591

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/374,834
 FILING DATE: 19-JAN-1995

CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/095,658
 FILING DATE: 21-JUL-1993

ATTORNEY/AGENT INFORMATION:
 NAME: Cobert, Robert J.
 REGISTRATION NUMBER: 36,108

REFERENCE/DOCKET NUMBER: REG 190A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (914) 345-7400

TELEFAX: (914) 345-7721

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 869 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: unknown

MOLECULE TYPE: protein

US-08-374-834-16

Query Match 6.1%; Score 127.5; DB 1; Length 869;

Best Local Similarity 20.9%; Pred. No. 0.01;

Matches 86; Conservative 51; Mismatches 176; Indels 99; Gaps 19;

QY 19 EVIEGPQNAVTLKGSQARENCVTSQGW--KLIMWALS DMVLSVRPMEPIITNDRFTSORY 77

DB 122 KITRPPINVKIIEGLKAVLPCTTMGNPKPSVSIKGD-----SPURENSRIAVLE- 171

QY 78 DOGNGFTSEMIHNVPSDSGNIRCQLNSRLHGSAY-LTVQVMGELFIPSNLVAENE 136

DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVFARILRAPESHNV 223

QY 137 P-----CEVTCLPSHWTRLPLDSW-ELGLLVSHSSYFVPEPDDLOSASVILALTPQ 187

DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSRLQFITKP- 277

QY 188 SNTLCVCVAT---WKSILKARKSATVNLTVIRCPQDTGGG-----INIFGVLSLP 234

DB 278 --GLYTCIATNKHGEFSTAKAATISIAEWSPQDKNGYCAQYRGEVCNVLAKDALV 335

QY 235 SLGFSL-----PTWKGVLGLAGTMLLTPTCTLTIRCCCRRCRCGCN----- 277

DB 336 FLNTSYADPEEAQELLVHTAWNEL-----KVSFVCPAAEALLCNHIFQECSPGVVP 388

QY 278 -----CCRCRC-----FCRRKRGFRIOFKKSEKTKETETESGNSGNSGVNSDEQKT 327

DB 389 TPIPICREYCLAVKELFCAKE---WLVMEETHRGLYRSEMHLVSPCEKLPMSHWD 444

QY 328 TETASLPKPCSSSDPEQRNSSCGPPHORADRP----PRPASHPOASNL 375

DB 445 TACARLP-----HLDYKNENLKTFFP--MTSSKPSVDIPNLPSSSSSSSSFSVS 489

RESULT 6

US-08-644-271-29

Sequence 29, Application US/08644271

Patent No. 5814478

GENERAL INFORMATION:

APPLICANT: Valenzuela, et al.

TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS

TITLE OF INVENTION: AND LIGANDS

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: Regeneron Pharmaceuticals, Inc.

STREET: 777 Old Saw Mill Road

CITY: Tarrytown

STATE: NY

COUNTRY: USA
 ZIP: 10591
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/644,271
 FILING DATE: 10-MAY-1996
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: USSN 60/008,657
 FILING DATE: 15-DEC-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Covert, Robert J
 REGISTRATION NUMBER: 36,108
 REFERENCE/DOCKET NUMBER: REG 195A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 914-345-7400
 TELEFAX: 914-345-7721
 TELEX:
 INFORMATION FOR SEQ ID NO: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 869 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-08-644-271-29

Query Match 6.1%; Score 127.5; DB 2; Length 869;
 Best Local Similarity 20.9%; Pred. No. 0.01; Indels 99; Gaps 19;
 Matches 86; Conservative 51; Mismatches 176;
 QY 19 EVIEGPONATVKGQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 77
 DB 122 KITRPPINVKIEGLKAVLPCTTGNPKPSVSIKGD-----SPLRENSRIAVLE- 171
 QY 78 DQGNFTSEMIHNVPEPSDGNIRCSLQNSRLHGSAY-LTVQVMGELFIPSVNLVVAENE 136
 DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVEFARILRAPESHNV 223
 QY 137 P-----CEVTCPLPSHTWRLDISW-ELGLVSHSHSYFVPEPSDLQSAVSILALTPQ 187
 DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLQLFITYKP- 277
 QY 188 SNGTLTTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 234
 DB 278 --GLYTCTIATNKHGKEFKSTAKAAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADALV 335
 QY 235 SLGRSL-----PTWGVKVLGLAGTMTLLTPTCTLTIRCCCCRRCCGCN----- 277
 DB 336 FLNTSYADPPEAQLLVHTAWNEL-----KVVSFVCRPAEAALLCNHIFQECSPGVVP 388
 QY 278 -----CCCRCC-----FCRRKRGFRIOFKKSEKTKETETESGNGNSGYNSDEQKT 327
 DB 389 TPICRCRYCLAVKELFCAKE-----WLVMEKTRHGLYRSEMHLLSVPECSKLPMSHWD 444
 QY 328 TETASLPKSCSSDPQNRSSCGPPHQRADQRP-----PRPASHQASFNLA 375
 DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

RESULT 7
 US-09-077-955-33
 Sequence 33, Application US/09077955A
 Patent No. 6413740
 GENERAL INFORMATION:
 APPLICANT: Valenzuela et al., David M.
 TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
 FILE REFERENCE: REG195-B-PCT-US
 CURRENT APPLICATION NUMBER: US/09/077,955A

CURRENT FILING DATE: 1998-09-10
 EARLIER APPLICATION NUMBER: PCT/US96/20696
 EARLIER FILING DATE: 1996-12-13
 EARLIER APPLICATION NUMBER: 08/644,271
 EARLIER FILING DATE: 1996-05-10
 EARLIER APPLICATION NUMBER: 60/008,657
 EARLIER FILING DATE: 1995-12-15
 NUMBER OF SEQ ID NOS: 36
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 33
 LENGTH: 869
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-077-955-33

Query Match 6.1%; Score 127.5; DB 4; Length 869;
 Best Local Similarity 20.9%; Pred. No. 0.01; Indels 99; Gaps 19;
 Matches 86; Conservative 51; Mismatches 176;
 QY 19 EVIEGPONATVKGQARFNCTVSGWK-LIMWALSDMVVLSVRPMEPIITNDRFTSQRY 77
 DB 122 KITRPPINVKIEGLKAVLPCTTGNPKPSVSIKGD-----SPLRENSRIAVLE- 171
 QY 78 DQGNFTSEMIHNVPEPSDGNIRCSLQNSRLHGSAY-LTVQVMGELFIPSVNLVVAENE 136
 DB 172 -----SGSLRIHNVQKEDAGQYRCVAKNSL--GTAYSKVVKLEVEVEFARILRAPESHNV 223
 QY 137 P-----CEVTCPLPSHTWRLDISW-ELGLVSHSHSYFVPEPSDLQSAVSILALTPQ 187
 DB 224 TFGSFVTLHCTATGIP-----VPTITWIENGNAVSSGSIQESVKDRVIDSLQLFITYKP- 277
 QY 188 SNGTLTTCVAT-----WKSILKARKSATVNLTVIRCPQDTGGG-----INIPGVLSLSP 234
 DB 278 --GLYTCTIATNKHGKEFKSTAKAAATISIAEWSKPKQKNGYCAQYRGEVCNAVLAADALV 335
 QY 235 SLGRSL-----PTWGVKVLGLAGTMTLLTPTCTLTIRCCCCRRCCGCN----- 277
 DB 336 FLNTSYADPPEAQLLVHTAWNEL-----KVVSFVCRPAEAALLCNHIFQECSPGVVP 388
 QY 278 -----CCCRCC-----FCRRKRGFRIOFKKSEKTKETETESGNGNSGYNSDEQKT 327
 DB 389 TPICRCRYCLAVKELFCAKE-----WLVMEKTRHGLYRSEMHLLSVPECSKLPMSHWD 444
 QY 328 TETASLPKSCSSDPQNRSSCGPPHQRADQRP-----PRPASHQASFNLA 375
 DB 445 TACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSSSSSSFSVS 489

RESULT 8
 US-09-062-365-1
 Sequence 1, Application US/09062365
 Patent No. 6465422
 GENERAL INFORMATION:
 APPLICANT: Schmidt, Ann Marie
 APPLICANT: Stern, David
 TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A
 FILE REFERENCE: 55424
 CURRENT APPLICATION NUMBER: US/09/062,365
 CURRENT FILING DATE: 1998-04-17
 NUMBER OF SEQ ID NOS: 6
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 1
 LENGTH: 332
 TYPE: PRT
 ORGANISM: Human
 US-09-062-365-1

Query Match 6.1%; Score 127; DB 4; Length 332;
 Best Local Similarity 25.0%; Pred. No. 0.003;
 Matches 70; Conservative 31; Mismatches 87; Indels 92; Gaps 15;
 QY 9 PEAVGSGSGNEVIEGPQNATVKGQARFNCTVSGQ--WKLIWALSDMVVLSVRPMEP 65

Db 102 PEIVDSAS--ELTAGVN-----KVTCSGSEYPAGTSLWHLG-----KP 141
QY 66 IITNDRFTS-----ORYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
Db 142 LVNEKGVSVKEGTRRHPTGLFTLOSELN---VTPARGGDRPTFTSCFSPLGPRHRL 198
QY 115 LTVQVMGELFIP-----SVNLVVAENP-----CEVTCLPSHWTLPLDISWE 156
Db 199 RTAPIQPRVWEPVLEEVQLW---EPGGAVAPGGTFTVTLTCEVPAQPS-----PQIHWM 250
QY 157 LGLLVSHSSYFYFPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRC 216
Db 251 KD-----GVPLPSPVLLIPEIGPDQGTVCVATHSHGPOESRAVSISILIE- 300
QY 217 PQTGGGINIPGVLSLPSLGFSLPTWKGVLGLAGTMLL 256
Db 301 PGEEG-----PTAGSVGGSGLGTIAL 321

RESULT 9

US-09-651-200-2

; Sequence 2, Application US/09651200

; Patent No. 6429303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; PRIOR FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 2

; LENGTH: 340

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-651-200-2

Query Match 6.0%; Score 124.5; DB 4; Length 340;
Best Local Similarity 21.2%; Pred. No. 0.0051;
Matches 77; Conservative 51; Mismatches 127; Indels 109; Gaps 17;

QY 14 SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWKL-----INWALSDMVVLSVRPMEPI 66
Db 48 SPTGAVEVQVPDPVVALVGTDLTHCSFSPFGSLTQLNLWLTDTKQLV-----100
QY 67 ITNDRFTSQYDQGNF-----TSEMIHNVPSDSGNIRCSLQNSRLHGS 112
Db 101 ---HSFTEGR-DGGSAYANRTALFPDLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 155
QY 113 AYLTVQVMGELFIPSVNLV---VAENPECEVTCLPSHWTRLP--DISWELGL---LVSH 163
Db 156 AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTVTTC--SSYRGYPEAEVFWQDGGVPLTGN 213
QY 164 SSYFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---QDT 220
Db 214 VTTQMANEGQLFDVHSLRVVLGANGTYS- -WTVGLSVCLIALLV-----LVRNPVLQDDA 255
QY 221 GGGINIPGVLSLPSLGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGNCNCCC 280
Db 256 HGSVTTTGQPMTFPEAL-----WTVGLSVCLIALLV-----288
QY 281 RCFCCRRKRGFRIFQFKSEKTKETETESNGNSGYNSEDQKTTETASLPKSCES 340
Db 289 ALAFVCWRK-----IKQSCSEENAGAEQDQ-----EGEGSKTALQPLKHSDS 331

QY 341 SDPE 344
Db 332 KEDD 335

RESULT 10

US-09-651-200-4

; Sequence 4, Application US/09651200

; Patent No. 6429303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 4

; LENGTH: 441

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-651-200-4

Query Match 6.0%; Score 124.5; DB 4; Length 441;
Best Local Similarity 21.2%; Pred. No. 0.0074;
Matches 77; Conservative 51; Mismatches 127; Indels 109; Gaps 17;

QY 14 SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWKL-----INWALSDMVVLSVRPMEPI 66
Db 149 SPTGAVEVQVPDPVVALVGTDLTHCSFSPFGSLTQLNLWLTDTKQLV-----201
QY 67 ITNDRFTSQYDQGNF-----TSEMIHNVPSDSGNIRCSLQNSRLHGS 112
Db 202 ---HSFTEGR-DGGSAYANRTALFPDLAQNASLRLQVRVADEGSFTCFV-SIRDFGS 256
QY 113 AYLTVQVMGELFIPSVNLV---VAENPECEVTCLPSHWTRLP--DISWELGL---LVSH 163
Db 257 AAVSLQVAAPYSKPSMTLEPNKDLRPGDVTVTTC--SSYRGYPEAEVFWQDGGVPLTGN 314
QY 164 SSYFVPEPSDLQSAVSILALTPQSNGLTLCVATWKSRLKARKSATVNLTVIRCP---QDT 220
Db 315 VTTQMANEGQLFDVHSLRVVLGANGTYS- -WTVGLSVCLIALLV-----LVRNPVLQDDA 356
QY 221 GGGINIPGVLSLPSLGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGNCNCCC 280
Db 357 HGSVTTTGQPMTFPEAL-----WTVGLSVCLIALLV-----389
QY 281 RCFCCRRKRGFRIFQFKSEKTKETETESNGNSGYNSEDQKTTETASLPKSCES 340
Db 390 ALAFVCWRK-----IKQSCSEENAGAEQDQ-----EGEGSKTALQPLKHSDS 432
QY 341 SDPE 344
Db 433 KEDD 436

RESULT 11

US-09-651-200-6

; Sequence 6, Application US/09651200

; Patent No. 6429303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and


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; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-651-200-6

Query Match      5.9%; Score 123.5; DB 4; Length 534;
Best Local Similarity 21.2%; Pred. No. 0.012;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

Qy      14  SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWKL-----IMWALSDMVVLSVRPMEPI 66
Db      242  SPTGAVEVQVPEDPVVALVGTDLRCGFSPEPGFSLAQLNLWQLTDTKQLV-----294

Qy      67  ITNDRFTSQRYDOGGNF-----TSEMIHNVPEPSDGNIRCSLQNSRLHGS 112
Db      295  ---HSFTEGR-DQGSAYANRTALPDLAQNASRLQVRVADEGSFTCFV-SIRDFGS 349

Qy      113  AYLTVQVMGELFIPSNLV-----VAENEPCEVTCLPSHWTRLP--DISWELGL---LVSH 163
Db      350  AAVSLQVAAPYSKESMTLEPNKDLRPGDVTIITC--SSYRGYPAEAEVFWQDGGVPLTGN 407

Qy      164  SSYFVPEPDSLOSASVILALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCP---QDT 220
Db      408  VTTSQMANEQGLFDVHSLRVLGANGTYSK-----LVRNVLQODA 449

Qy      221  GGGINIRGVLSLPSLGSFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCGCCNCCC 280
Db      450  HGSVTITGQMPFFPEAL-----WTVGLSVCLIALLV-----482

Qy      281  RCCFCCKRRKGRFRIQFOKKSEKTKETETESGNSGYNDSDEQKTTETASLPKSCS 340
Db      483  ALAFVCRK-----IKQSCBENAGAEQDQG-----EGEGSKTALQPLKHSDS 525

Qy      341  SDPE 344
Db      526  KEDD 529

```

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RESULT 12
US-09-651-200-24
; Sequence 24, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
; LENGTH: 534

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; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Sequence
; OTHER INFORMATION: mz5020.protein from Figure 4.
; US-09-651-200-24

Query Match      5.9%; Score 123.5; DB 4; Length 534;
Best Local Similarity 21.2%; Pred. No. 0.012;
Matches 77; Conservative 50; Mismatches 128; Indels 109; Gaps 17;

Qy      14  SSGSNEVIEGPQNAV-LKGSQARFNCTVS--QGWKL-----IMWALSDMVVLSVRPMEPI 66
Db      242  SPTGAVEVQVPEDPVVALVGTDLRCGFSPEPGFSLAQLNLWQLTDTKQLV-----294

Qy      67  ITNDRFTSQRYDOGGNF-----TSEMIHNVPEPSDGNIRCSLQNSRLHGS 112
Db      295  ---HSFTEGR-DQGSAYANRTALPDLAQNASRLQVRVADEGSFTCFV-SIRDFGS 349

Qy      113  AYLTVQVMGELFIPSNLV-----VAENEPCEVTCLPSHWTRLP--DISWELGL---LVSH 163
Db      350  AAVSLQVAAPYSKESMTLEPNKDLRPGDVTIITC--SSYRGYPAEAEVFWQDGGVPLTGN 407

Qy      164  SSYFVPEPDSLOSASVILALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCP---QDT 220
Db      408  VTTSQMANEQGLFDVHSLRVLGANGTYSK-----LVRNVLQODA 449

Qy      221  GGGINIRGVLSLPSLGSFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCRRCGCCNCCC 280
Db      450  HGSVTITGQMPFFPEAL-----WTVGLSVCLIALLV-----482

Qy      281  RCCFCCKRRKGRFRIQFOKKSEKTKETETESGNSGYNDSDEQKTTETASLPKSCS 340
Db      483  ALAFVCRK-----IKQSCBENAGAEQDQG-----EGEGSKTALQPLKHSDS 525

Qy      341  SDPE 344
Db      526  KEDD 529

```

```

RESULT 13
US-09-700-397-4
; Sequence 4, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. 6664383el Polypeptides, cdna encoding the same, and use of
; FILE REFERENCE: Q61459
; CURRENT APPLICATION NUMBER: US/09/700,397
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4
; LENGTH: 313
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-700-397-4

Query Match      5.9%; Score 123; DB 4; Length 313;
Best Local Similarity 23.5%; Pred. No. 0.0062;
Matches 61; Conservative 40; Mismatches 99; Indels 60; Gaps 13;

Qy      7  TVPEAVGSGSNEVIEGPQNAVTLKGSQARFNCTVSQCKLIMWALSDMVVLS-----V 60
Db      6  TFPKAM-----DNVTVRQGESATRLCTIDNRVTRVAVLNRSTILYAGNDKWL 53

Qy      61  RPMEPIITNDRFTSQRYDOGGNFITSEMIHNVPEPSDGNIRCSLQ-----NSRLHGSAY 114
Db      54  DPRVLLSN---TQTQY-----SIBIQNVVDYDEGFTCSVQTDNHPKTSRVH-----98

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QY 115 LTVQVNGELFIPSVNLVVAENPECEVTCLPSHWTRLPDISWELGLVSHSSYYFVPEPSD 174
Db 99 LIVQVSPKIVEISSDISINEGNNISLTCTATGRPE-PTVTWR---HISPKAVGFVSEDEY 154
QY 175 LOSAVSILALTPOSNGTTLCTVATWKSILKARKSATVNLTVIRCP-----QDTGGGINIPGV 229
Db 155 LE-----IQGITRQSGDYECSAS-NDVAAPVVRVKVTNNPPYISEAKGTGVPVGQKGT 209
QY 230 L-----SSLPSLGFSLPTWGX 245
Db 210 LOCEASAVPSAEFQ---WYK 226

RESULT 14
US-09-700-397-3
; Sequence 3, Application US/09700397
; Patent No. 6664383
; GENERAL INFORMATION:
; APPLICANT: Ono Pharmaceutical Co., Ltd.
; TITLE OF INVENTION: No. 6664383el Polypeptides, cDNA encoding the same, and use of
; FILE REFERENCE: Q61459
; CURRENT APPLICATION NUMBER: US/09/700,397
; PRIOR FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: JP 10-131815
; PRIOR FILING DATE: 1998-05-14
; PRIOR APPLICATION NUMBER: PCT/JP99/02485
; PRIOR FILING DATE: 1999-05-13
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 3
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Clone OC001 derived from human brain
US-09-700-397-3

```

```

Query Match 5.9%; Score 123; DB 4; Length 344;
Best Local Similarity 23.5%; Pred. No. 0.0071;
Matches 61; Conservative 40; Mismatches 99; Indels 60; Gaps 13;

QY 7 TTYPEAVSGSGNEVIEGPQATVLKSGQAFNCTVSGQKLIWALSMDVWLS-----V 60
Db 37 TPKAM-----DNVTVQGESATLCTIDNRVTRVWLNKSTILYAGNDKWCL 84
QY 61 RPEPIITNDRFTSQRYDOGNGFTSEMIHNVEPSDSGNIRCSLQ-----NSRLHGSAY 114
Db 85 DREVLLSN---TQTY-----SIEIQNVVDYDEGPTCSVQTDNHPKTSRVH--- 129
QY 115 LTVQVNGELFIPSVNLVVAENPECEVTCLPSHWTRLPDISWELGLVSHSSYYFVPEPSD 174
Db 130 LIVQVSPKIVEISSDISINEGNNISLTCTATGRPE-PTVTWR---HISPKAVGFVSEDEY 185
QY 175 LOSAVSILALTPOSNGTTLCTVATWKSILKARKSATVNLTVIRCP-----QDTGGGINIPGV 229
Db 186 LE-----IQGITRQSGDYECSAS-NDVAAPVVRVKVTNNPPYISEAKGTGVPVGQKGT 240
QY 230 L-----SSLPSLGFSLPTWGX 245
Db 241 LOCEASAVPSAEFQ---WYK 257

RESULT 15
US-08-633-148-4
; Sequence 4, Application US/08633148
; Patent No. 5864018
; GENERAL INFORMATION:
; APPLICANT: MORSE, MICHAEL J.
; APPLICANT: NAGASHIMA, MARIKO
; APPLICANT: HOLLANDER, DORIS A.
; TITLE OF INVENTION: ANTIBODIES TO ADVANCED GLYCOSYLATION

```

```

; TITLE OF INVENTION: END-PRODUCT RECEPTOR POLYPEPTIDES AND USES THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND & TOWNSEND & CREW LLP
; STREET: TWO EMBARCADERO CENTER, 8TH FLOOR
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: U.S.A.
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/633,148
; FILING DATE: 16-APR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY ESQ., MATTHEW B.
; REGISTRATION NUMBER: 39,787
; REFERENCE/DOCKET NUMBER: 014618-005600US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400
; TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 318 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-633-148-4

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Query Match 5.9%; Score 122; DB 2; Length 318;
Best Local Similarity 24.9%; Pred. No. 0.0078;
Matches 69; Conservative 30; Mismatches 86; Indels 92; Gaps 15;

QY 9 PRAVSGSGNEVIEGPQATVLKSGQAFNCTVSGQ---WKLIMWALSMDVLSVRPMEP 65
Db 102 PEIVDSAS---ELTAGVFN-----KVGTCVSEGSYPAGTILSWHLDG-----KP 141
QY 66 IITNDRFTS-----ORYDOGNGFT---SEMIHNVEPSDSGNIR---CSLONSLHGSAY 114
Db 142 LVPEKXGVSKEQTRRHPTGLTLOSELW---VTPARGDPRPTSCSFSPCLPHRAL 198
QY 115 LTVQVNGELFIP-----SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWE 156
Db 199 RTAPIQPRVWEVPVLEEVQLV---EPEGGAVAPGCTVTLTCEVPAQS-----PQIHW 250
QY 157 LGLLVSHSSYYFVPEPSDLOSASVILALTPQSGTTLCTVATWKSILKARKSATVNLTVIRC 216
Db 251 KD-----GVPLPLPPSPVLILPEIGPODQGTYSVATHSSHGPFQESRAVSIIE- 300
QY 217 PDQDTGGGINIPGVLSLPSLGFSLPTWGVGLAGT 253
Db 301 PEEG-----PTAGSVGGSLGT 318

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Search completed: July 30, 2004, 15:03:32
Job time : 16.052 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 15:02:03 ; Search time 40.4731 Seconds
(without alignments)

2991.654 Million cell updates/sec

Title: US-09-729-264-6

Perfect score: 2077

Sequence: 1 MERHLLTVEAVGSGSGNEV.....HPOASFNLASPEKVSNTTVV 386

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313682936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2017	97.1	407	15	US-10-104-047-3074
2	151	7.3	390	16	Sequence 3074, Ap
3	151	7.3	390	16	Sequence 98, Appl
4	151	7.3	404	16	Sequence 100, App
5	145.5	7.0	405	8	Sequence 96, Appl
6	139.5	6.7	344	14	Sequence 4, Appli
7	138.5	6.7	2473	14	Sequence 3, Appli
8	138.5	6.7	2473	14	Sequence 559, App
9	138	6.6	633	14	Sequence 559, App
10	137.5	6.6	344	15	Sequence 26, Appl
11	135	6.5	1477	14	Sequence 87, Appl
12	135	6.5	1479	12	Sequence 20, Appl
13	135	6.5	1496	12	Sequence 325, App
14	135	6.5	1496	14	Sequence 87, Appl
15	135	6.5	1496	15	Sequence 125, App
					Sequence 28, Appl

16	135	6.5	1498	12	US-10-276-774-1957	Sequence 1957, Ap
17	135	6.5	1498	12	US-10-243-552-899	Sequence 899, App
18	134	6.5	592	12	US-10-312-528-2	Sequence 2, Appli
19	134	6.5	592	14	US-10-180-410-2	Sequence 2, Appli
20	134	6.5	594	12	US-10-312-528-12	Sequence 12, Appl
21	134	6.5	594	14	US-10-180-410-12	Sequence 12, Appl
22	134	6.5	708	12	US-10-206-915-584	Sequence 584, App
23	134	6.5	708	12	US-10-199-670-584	Sequence 584, App
24	134	6.5	708	12	US-10-201-858-584	Sequence 584, App
25	134	6.5	708	12	US-10-205-890-584	Sequence 584, App
26	134	6.5	708	12	US-10-208-024-584	Sequence 584, App
27	134	6.5	708	12	US-10-201-853-584	Sequence 584, App
28	134	6.5	708	12	US-10-174-581-584	Sequence 584, App
29	134	6.5	708	12	US-10-176-483-584	Sequence 584, App
30	134	6.5	708	12	US-10-176-749-584	Sequence 584, App
31	134	6.5	708	12	US-10-176-914-584	Sequence 584, App
32	134	6.5	708	12	US-10-176-915-584	Sequence 584, App
33	134	6.5	708	12	US-10-176-484-584	Sequence 584, App
34	134	6.5	708	12	US-10-180-550-584	Sequence 584, App
35	134	6.5	708	12	US-10-183-014-584	Sequence 584, App
36	134	6.5	708	12	US-10-187-738-584	Sequence 584, App
37	134	6.5	708	12	US-10-187-740-584	Sequence 584, App
38	134	6.5	708	12	US-10-187-883-584	Sequence 584, App
39	134	6.5	708	12	US-10-194-363-584	Sequence 584, App
40	134	6.5	708	12	US-10-194-460-584	Sequence 584, App
41	134	6.5	708	12	US-10-194-463-584	Sequence 584, App
42	134	6.5	708	12	US-10-194-484-584	Sequence 584, App
43	134	6.5	708	12	US-10-195-884-584	Sequence 584, App
44	134	6.5	708	12	US-10-195-896-584	Sequence 584, App
45	134	6.5	708	12	US-10-196-744-584	Sequence 584, App

ALIGNMENTS

RESULT 1

US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1 full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3074
; TYPE: PRT
; LENGTH: 407
; ORGANISM: Homo sapiens
US-10-104-047-3074

Query Match	97.1%	Score 2017;	DB 15;	Length 407;
Best Local Similarity	100.0%;	Pred. No. 1e-1e4;		
Matches 3/4;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	13	GGSGNEVTEGPNATVKGSOARFNCTVSQGWKLIMWLSVVRPMEPIITNDRF	72	
Db	34	GGSGNEVTEGPNATVKGSOARFNCTVSQGWKLIMWLSVVRPMEPIITNDRF	93	
QY	73	TSQRYDQGNFTSEMIHNVFSDSGNIRCSLQNGRLHGSAYLTVOVMGELFIPSVNLV	132	
Db	94	TSQRYDQGNFTSEMIHNVFSDSGNIRCSLQNGRLHGSAYLTVOVMGELFIPSVNLV	153	
QY	133	ANEPCEVTCLESHWTRLPDISWEIGLLVSHSYFVPEPSDLSQAVSLALTPOSGNGL	192	
Db	154	ANEPCEVTCLESHWTRLPDISWEIGLLVSHSYFVPEPSDLSQAVSLALTPOSGNGL	213	
QY	193	TCVATWKSILKAKSATVNLTVTRCPODTGGGINIPGVLSLPSLGTWKGVLGLAG	252	

Db 214 TCVATWKLKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGFSLPTWKGVLGLAG 273
 QY 253 TMLTPTCTLTIRCCRRRCCGNCNCCRCFCRCRKRGRPRIQFKKSEKTKNKETETE 312
 Db 274 TMLTPTCTLTIRCCRRRCCGNCNCCRCFCRCRKRGRPRIQFKKSEKTKNKETETE 333
 QY 313 SGNENSGYNSDEOKTETASLPKSCSSDPPEORNSCGPPHORADQRP RPASHPOASF 372
 Db 334 SGNENSGYNSDEOKTETASLPKSCSSDPPEORNSCGPPHORADQRP RPASHPOASF 393
 QY 373 NLASPEKVSNTTVV 386
 Db 394 NLASPEKVSNTTVV 407

RESULT 2

US-10-309-290-98
 ; Sequence 98, Application US/10309290
 ; Publication No. US20040023241A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsbrook II, John P.
 ; APPLICANT: Anderson, David W.
 ; APPLICANT: Boldog, Ferenc L.
 ; APPLICANT: Burgess, Catherine E.
 ; APPLICANT: Chillakuru, Rajeev A.
 ; APPLICANT: Edinger, Shlomit R.
 ; APPLICANT: Gerlach, Valerie L.
 ; APPLICANT: Gorman, Linda
 ; APPLICANT: Gould-Rothberg, Bonnie E.
 ; APPLICANT: Guo, Xiaojia
 ; APPLICANT: Jeffers, Michael E.
 ; APPLICANT: Ji, Weizhen
 ; APPLICANT: Li, Li
 ; APPLICANT: Malyankar, Uriel M.
 ; APPLICANT: Miller, Charles E.
 ; APPLICANT: Murphey, Ryan
 ; APPLICANT: Patturajan, Meera
 ; APPLICANT: Peyman, John A.
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: Rieger, Daniel K.
 ; APPLICANT: Shenoy, Suresh G.
 ; APPLICANT: Smithson, Glenda
 ; APPLICANT: Starling, Gary
 ; APPLICANT: Taupier, Raymond J.
 ; APPLICANT: Voss, Edward Z.
 ; APPLICANT: Zhong, Haihong
 ; APPLICANT: Zhong, Mei
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
 ; FILE REFERENCE: 21402-502A
 ; CURRENT APPLICATION NUMBER: US/10/309,290
 ; PRIOR FILING DATE: 2002-12-02
 ; PRIOR APPLICATION NUMBER: 60/336,600
 ; PRIOR FILING DATE: 2001-12-05
 ; PRIOR APPLICATION NUMBER: 60/338,285
 ; PRIOR FILING DATE: 2001-12-07
 ; PRIOR APPLICATION NUMBER: 60/341,346
 ; PRIOR FILING DATE: 2001-12-12
 ; PRIOR APPLICATION NUMBER: 60/341,477
 ; PRIOR FILING DATE: 2001-12-17
 ; PRIOR APPLICATION NUMBER: 60/341,540
 ; PRIOR FILING DATE: 2001-12-17
 ; PRIOR APPLICATION NUMBER: 60/342,592
 ; PRIOR FILING DATE: 2001-12-20
 ; PRIOR APPLICATION NUMBER: 60/344,297
 ; PRIOR FILING DATE: 2001-12-27
 ; PRIOR APPLICATION NUMBER: 60/344,903
 ; PRIOR FILING DATE: 2001-12-31
 ; PRIOR APPLICATION NUMBER: 60/373,288
 ; PRIOR FILING DATE: 2002-04-17
 ; PRIOR APPLICATION NUMBER: 60/380,981
 ; PRIOR FILING DATE: 2002-05-15
 ; Remaining Prior Application data removed - See File Wrapper or PALM.
 ; NUMBER OF SEQ ID NOS: 274

; SOFTWARE: Curaseqdist version 0.1
 ; SEQ ID NO 98
 ; LENGTH: 390
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-309-290-98
 Query Match 7.3%; Score 151; DB 16; Length 390;
 Best Local Similarity 23.3%; Pred. No. 0.00026;
 Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;
 QY 9 PEAVGSGGNEVIEGPNATVLKSGQARFNCTVSQG---WKLIMWALSDMWVLSVRMEP 65
 Db 110 PEIVDSAS---ELTAGVFN-----KVGTCVSEGSYPAGTILSWHLDG-----KP 149
 QY 66 IITNDRTS-----QRYDQGNFT--SEMIHNVPSDSGNIR---CSLQNSRLHGSAY 114
 Db 150 LVPNEKGVSVKEQTRRHPTGLFTLQSELM---VTPARGDPRFTFCSPGLPRRAL 206
 QY 115 LTVQVMGELFIP-----SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWE 156
 Db 207 RTAPIQPRVWEVPLEEVQLVW---BPEGGAVAPGGTVTLTCEVPAQPS-----PQIHW 258
 QY 157 LGLLVSHSYFYFPEPSDLOSASVILALTQSNGLTLCVATWKLKARKSATVNLTVIRC 216
 Db 259 KD-----GVELPLPPSPVLILPEIGPDQGTYSVATHSHSGHQPQESRAVSISIIIE- 308
 QY 217 PDGTGGGINIPGVLSLPSLGFSLPTWKGVLGLAGTMLLT-----PTCTLTIRCCCC 269
 Db 309 PGEEG-----PTAGSVGGSLGTALALGILGGLGTAAALLIGVILW 349
 QY 270 RRRCCGNCRCRCFCRCRKRGRFRIQFKKSEKTK---NKETETESGNENSGYNSDEOKT 327
 Db 350 QRR-----QRRGEERKAPENQEBEEERAEIN-----375
 QY 328 TETASLPKSCSSDPPEORNSCGPP 353
 Db 376 -----QSEPEPAGESSTGCP 390

RESULT 3

US-10-309-290-100
 ; Sequence 100, Application US/10309290
 ; Publication No. US20040023241A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Alsbrook II, John P.
 ; APPLICANT: Anderson, David W.
 ; APPLICANT: Boldog, Ferenc L.
 ; APPLICANT: Burgess, Catherine E.
 ; APPLICANT: Chillakuru, Rajeev A.
 ; APPLICANT: Edinger, Shlomit R.
 ; APPLICANT: Gerlach, Valerie L.
 ; APPLICANT: Gorman, Linda
 ; APPLICANT: Gould-Rothberg, Bonnie E.
 ; APPLICANT: Guo, Xiaojia
 ; APPLICANT: Jeffers, Michael E.
 ; APPLICANT: Ji, Weizhen
 ; APPLICANT: Li, Li
 ; APPLICANT: Malyankar, Uriel M.
 ; APPLICANT: Miller, Charles E.
 ; APPLICANT: Murphey, Ryan
 ; APPLICANT: Patturajan, Meera
 ; APPLICANT: Peyman, John A.
 ; APPLICANT: Rastelli, Luca
 ; APPLICANT: Rieger, Daniel K.
 ; APPLICANT: Shenoy, Suresh G.
 ; APPLICANT: Smithson, Glenda
 ; APPLICANT: Starling, Gary
 ; APPLICANT: Taupier, Raymond J.
 ; APPLICANT: Voss, Edward Z.
 ; APPLICANT: Zhong, Haihong
 ; APPLICANT: Zhong, Mei
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD


```

; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 100
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-100

Query Match
Best Local Similarity 7.3%; Score 151; DB 16; Length 390;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY 9 PEAVGSGGNEVIEGPQATVNLKGSQARFNCTVSQ---WKLIMWALSDMVLSVRPMEP 65
Db 110 PEIVDSAS--ELTAGVPN-----KVCTCVSEGSYPAGTLSWHLDG-----KP 149

QY 66 IITNDRFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
Db 150 LVPEKGVSVKEQTRRHPTGLTQSELM---VTPARGGDRPTFTSCFSGLPRHRL 206

QY 115 LTVQVMGELFIP---SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWE 156
Db 207 RTAPIQPRVWEVPLEEVQLV---EPEGGAVAPGGTWTLTCEVPAQPS-----PQIHWM 258

QY 157 LGLLVSHSYFYFPEPSDLQSAVSIILALTPQSNGLTLCVATMKSLLKARKSATVNLTVIRC 216
Db 259 KD-----GVPLPLPSPVLILPEIGPDQGYTSCVATHSHGQPSRAVSIILB- 308

QY 217 PDYTGGINIPGVLSLPSLPGSLPTWKGVLGLAGTMLLT-----PTCLTITRCCCC 269
Db 309 PGEEG-----PTAGSVGGSGGLTGLALGILGGLGTAALLIGVILW 349

QY 270 RRRCCGNCRCRCCFCCRRKRGRFRIQFKKSEKKT--NKETETESGNSGVNSDEQKT 327
Db 350 QRR-----QRRGERKAPENQOEERAEELN----- 375

QY 328 TETASLPKSCSSDEPQNRSSCGPP 353
Db 376 -----QSEEPAGESSTGGP 390

RESULT 4
US-10-309-290-96
; Sequence 96, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.

```

```

; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR APPLICATION NUMBER: 60/380,981
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 96
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-309-290-96

```

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Query Match
Best Local Similarity 7.3%; Score 151; DB 16; Length 404;
Matches 90; Conservative 38; Mismatches 112; Indels 146; Gaps 19;

QY 9 PEAVGSGGNEVIEGPQATVNLKGSQARFNCTVSQ---WKLIMWALSDMVLSVRPMEP 65
Db 124 PEIVDSAS--ELTAGVPN-----KVCTCVSEGSYPAGTLSWHLDG-----KP 163

QY 66 IITNDRFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGSAY 114
Db 164 LVPEKGVSVKEQTRRHPTGLTQSELM---VTPARGGDRPTFTSCFSGLPRHRL 220

QY 115 LTVQVMGELFIP---SVNLVVAENEP-----CEVTCPLPSHWTRLPDISWE 156
Db 221 RTAPIQPRVWEVPLEEVQLV---EPEGGAVAPGGTWTLTCEVPAQPS-----PQIHWM 272

```


RESULT 6
US-10-306-133-3
: Sequence 3, Application US/10306133

RESULT 7
US-10-184-644-559
: Sequence 559, Application US/10184644

RESULT 7

Publication No. US20030044930A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C227
CURRENT APPLICATION NUMBER: US/10/184,644
CURRENT FILING DATE: 2002-06-28
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 559
LENGTH: 2473
TYPE: DNA
ORGANISM: Homo Sapien
US-10-184-644-559

Query Match 6.7%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.038;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFSLPT 242
DB 2274 AATTGAAGTTTCAATTAATAATGTTTCC-----2307

QY 243 WGVGLGLAGTMTLTCTITIRCCCR-RRCGCGNCCRCFC 286
DB 2308 -----ATTCTCATCGCCACCACCCCGCCGCCACCACC 2344

RESULT 8
US-10-184-634-559
Sequence 559, Application US/10184634
Publication No. US20030068694A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C217
CURRENT APPLICATION NUMBER: US/10/184,634
CURRENT FILING DATE: 2002-06-28
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 559
LENGTH: 2473
TYPE: DNA
ORGANISM: Homo Sapien
US-10-184-634-559

Query Match 6.7%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.038;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;

QY 183 ALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFSLPT 242

Db 2274 AATTGAAGTTTCAATTAATAATGTTTCC-----2307

QY 243 WGVGLGLAGTMTLTCTITIRCCCR-RRCGCGNCCRCFC 286
DB 2308 -----ATTCTCATCGCCACCACCCCGCCGCCACCACC 2344

RESULT 9
US-10-180-410-26
Sequence 26, Application US/10180410
Publication No. US20030148382A1
GENERAL INFORMATION:
APPLICANT: SUN, CHAO
APPLICANT: CARULLI, JOHN P.
APPLICANT: LUKASHIN, ALEXANDER V.
APPLICANT: KILBURN, DANIEL R.
TITLE OF INVENTION: PANCAM NUCLEIC ACIDS AND POLYPEPTIDES
FILE REFERENCE: A097 CIP
CURRENT APPLICATION NUMBER: US/10/180,410
CURRENT FILING DATE: 2002-06-24
PRIOR APPLICATION NUMBER: PCT/US01/19904
PRIOR FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: 60/213,611
PRIOR FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 26
LENGTH: 633
TYPE: PRT
ORGANISM: Homo sapiens
US-10-180-410-26

Query Match 6.6%; Score 138; DB 14; Length 633;
Best Local Similarity 24.1%; Pred. No. 0.0066;
Matches 54; Conservative 40; Mismatches 100; Indels 30; Gaps 10;

QY 14 SSGSNEVIRGPQNAVTKGQARFNCTVSQGNKLIMWLSDMVLSVRPMEPIITNDREFT 73
DB 20 AGPSPHLQOPEDLVLLGGEARLPCALGAYWGLVQWTKSGLALGGQR-----DLPG 71

QY 74 SORYDOGNFTS---EMITHNVEPSDGNIRCSLQNSRLHG-SAYLTV-----QVME 122
DB 72 WRSYWTSGNAANGQHDHIRPVELEDEASYEQATQAGRSRPAQJHVLVPPAPQVIGG 131

QY 123 LFIPSVNLVVAENEPCEVTCLPSHWTR-LPDTSW-ELGLLVSHSSY--FVPE--PSDLQ 176
DB 132 ---PSVSLVA--GVPAULTCRSGDARPTPELLWFRDGLDGAFTHQLLKBTGTPGSVE 186

QY 177 SAVSILALTPQSGNGLTCTVATWKSARKSATVNLTVIRCPQDT 220
DB 187 STLTLPFSHDDGATLVCRARSQALPTGRDRTAITLSLQYPPBVT 230

RESULT 10
US-10-015-115-87
Sequence 87, Application US/10015115
Publication No. US20030207800A1
GENERAL INFORMATION:
APPLICANT: Malyankar, Uriel M
APPLICANT: Shenoy, Suresh G
APPLICANT: Spytek, Kimberly A
APPLICANT: Zerhusen, Bryan D
APPLICANT: Patturajan, Meera
APPLICANT: Guo, Xiaojia
APPLICANT: Kekuda, Ramesha
APPLICANT: Gangolli, Esha A
APPLICANT: Shimkets, Richard A
APPLICANT: Taupier, Raymond J
APPLICANT: Li, Li
APPLICANT: Padigaru, Muralidhara
TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
TITLE OF INVENTION: Using the Same

Fri Aug 6 08:39:27 2004

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; FILE REFERENCE: 21402-211
; CURRENT APPLICATION NUMBER: US/10/015,115
; CURRENT FILING DATE: 2002-09-23
; PRIOR APPLICATION NUMBER: 60/248,153
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: 60/249,598
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/264,240
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/266,127
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: 60/269,562
; PRIOR FILING DATE: 2001-02-16
; PRIOR APPLICATION NUMBER: 60/304,348
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/309,261
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/313,283
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 205
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 87
; LENGTH: 344
; TYPE: PRT
; ORGANISM: Gallus gallus
; US-10-015-115-87
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Query Match 6.6%; Score 137.5; DB 15; Length 344;
Best Local Similarity 26.0%; Pred. No. 0.0032;
Matches 70; Conservative 38; Mismatches 104; Indels 57; Gaps 14;

QY 3 RHLTVPEAVGSGGNEVI-EGPQNAVILKGSQARFNCTVSQ-----GW----KLIMWALS 53
DB 20 RLLEFLVPAVVRGDAFFKAMDVTVRQGESATLRCSVDNVRVTRVAWLNRSILYAGN 79

QY 54 DMVVLVVRPMEPIITNDRTQRYDQGNFTSEMIHNVEPDSGNIRCSLQ-----NS 107
DB 80 DKWCLDRVLLANTKQYSIQ-----IHVDVYDEGPTCSVQTDNHPKTS 126

QY 108 RLHGSAYLTQVMGELFIPSVNLVVAENPECEVTCLPSHWTRLPD--ISWELGLLVSHS 165
DB 127 RVH-----LIVQSPKTISSDISINEGNVSLTCLIA---TGRPDPTITWR---HISPKA 176

QY 166 YFVPEPSDQSAVILATQSNGLTLCVATWKSILKARKSATVNLTV-----IRCPDPT 220
DB 177 VGFISEDEYLE-----ITGITRQSGEYECAS-NDVAAPVVRVQVVKVTVNPPYISDAKST 231

QY 221 GGINIPGVL-----SSLPSLGFSLPTWKG 245
DB 232 GVFVGQKGLMCEASAVFSADFQ---WYK 257
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RESULT 11
US-10-274-583-20
; Sequence 20, Application US/10/274583
; Publication No. US20030138431A1
; GENERAL INFORMATION:
; APPLICANT: Exelixis, Inc.
; TITLE OF INVENTION: LRRCAPS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-119C
; CURRENT APPLICATION NUMBER: US/10/274,583
; CURRENT FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/357,600
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: 60/361,196
; PRIOR FILING DATE: 2002-03-01
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 20
; LENGTH: 1477
; TYPE: PRT
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; ORGANISM: Homo sapiens
US-10-274-583-20
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Query Match 6.5%; Score 135; DB 14; Length 1477;
Best Local Similarity 25.0%; Pred. No. 0.037;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPQNAVILKGSQARFNCTVS-QGWKLIMWALSDMVVLVSRPMEPIITNDR 71
DB 337 GSPARPTFVIQFQNTVELVGSVTLKCSATGHPPRISWTRGDRTPLPDPRVNITPS-- 394

QY 72 FTSQRYDQGNFTSEMIHNVEPDSGNIRCSLQNS--RLHGSAYLTQVMGELFIPSVN 129
DB 395 -----GG-----LYIQNVVQSGDGEVACATNNIDSVHATAFIIVQALPQFTVTPQD 441

QY 130 LVVAENPECEVTCLPSHWTRLPDISW-ELGLLVSHSYFVPEPSDQSAVILATPQS 188
DB 442 RVVIEGQTVDFQC-EAKGNPPPVIAWTKGSQLSDRRHLVLSSTGLR--ISGVALHDQ- 497

QY 189 NGTLTCTVATWKSILKARKSATVNLTV-----IRCPDPT-----GGGINIPGVLSLPSL 236
DB 498 -GOYECQAV--NIIGSKVVAHLTVQPRVTPVFASIPSDTTFVEVGANVQLP-----CSSQ 549

QY 237 GFSLP--TWGKVGLGL--AGTMLLTPTCTLT-----RCCCCRRRCG 275
DB 550 GEPEPAITWNKDGQVQVTSKGFHISPEGFLTINDVGPADAGRYECVARNTIG 601
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RESULT 12
US-10-231-956A-325
; Sequence 325, Application US/10/231956A
; Publication No. US20040053233A1
; GENERAL INFORMATION:
; APPLICANT: Lorens, James B.
; APPLICANT: Xu, Weiduan
; APPLICANT: Bogenberger, Jakob
; APPLICANT: Holland, Sacha
; APPLICANT: Rigel Pharmaceuticals, Incorporated
; TITLE OF INVENTION: Modulators of Angiogenesis
; FILE REFERENCE: 021044-004100US
; CURRENT APPLICATION NUMBER: US/10/231,956A
; CURRENT FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 522
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 325
; LENGTH: 1479
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-231-956A-325
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Query Match 6.5%; Score 135; DB 12; Length 1479;
Best Local Similarity 25.0%; Pred. No. 0.037;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVIEGPQNAVILKGSQARFNCTVS-QGWKLIMWALSDMVVLVSRPMEPIITNDR 71
DB 337 GSPARPTFVIQFQNTVELVGSVTLKCSATGHPPRISWTRGDRTPLPDPRVNITPS-- 394

QY 72 FTSQRYDQGNFTSEMIHNVEPDSGNIRCSLQNS--RLHGSAYLTQVMGELFIPSVN 129
DB 395 -----GG-----LYIQNVVQSGDGEVACATNNIDSVHATAFIIVQALPQFTVTPQD 441

QY 130 LVVAENPECEVTCLPSHWTRLPDISW-ELGLLVSHSYFVPEPSDQSAVILATPQS 188
DB 442 RVVIEGQTVDFQC-EAKGNPPPVIAWTKGSQLSDRRHLVLSSTGLR--ISGVALHDQ- 497

QY 189 NGTLTCTVATWKSILKARKSATVNLTV-----IRCPDPT-----GGGINIPGVLSLPSL 236
DB 498 -GOYECQAV--NIIGSKVVAHLTVQPRVTPVFASIPSDTTFVEVGANVQLP-----CSSQ 549

QY 237 GFSLP--TWGKVGLGL--AGTMLLTPTCTLT-----RCCCCRRRCG 275
DB 550 GEPEPAITWNKDGQVQVTSKGFHISPEGFLTINDVGPADAGRYECVARNTIG 601
```



```
RESULT 13
US-10-211-462-87
; Sequence 87, Application US/10211462
; Publication No. US20040033495A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Aziz, Natasha
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and
; FILE REFERENCE: 018501-006200US
; CURRENT APPLICATION NUMBER: US/10/211,462
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: US 09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/791,390
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 60/310,025
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/334,244
; PRIOR FILING DATE: 2001-11-29
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 87
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-211-462-87

Query Match      6.5%; Score 135; DB 12; Length 1496;
Best Local Similarity 25.0%; Pred. No. 0.038;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVEGPONATVVGKSGQARENCTVS--QGKLMWALSDMVVLSVRPMEPIITNDR 71
Db 354 GSPARTFVIQONTVEVLGSEVTLCSATGHPPPRISWTRGDRTPLPVDPVRVNIPTS-- 411
QY 72 FTSQRYDQGNFTSEMIHNVPESDSGNIRCSLQNS--RLHGSAYLTVQVMGELFIPSVN 129
Db 412 -----GG-----LYIQNVQGDSEYACSATNIDSVHATAFIIVQALPQFTVTPQD 458
QY 130 LVVAENPECVTCLPSHWTRLPDISW-ELGLLVSHSSYFVPEPSDQSAVSILALTPQS 188
Db 459 RVVIEGQTVDFQC-EAKGNPPPVIAWTKGSQLSVDRRLHLVSSGTLR--ISGVALHDQ- 514
QY 189 NGTLTCVATWKSILKARKSATVNLTV-----IRCPQDT-----GGGINIPGVLSLPSL 236
Db 515 -GQYEQAV--NIIGSQVVAHLTVQPRVTPVPFASIPSDTTVEVGANVQLP-----CSSQ 566
QY 237 GFSLP--TWGKVLGL--AGTMLLTPTCTLTI-----RCCCRRCOG 275
Db 567 GEPEPAITWKGQVQVTSKGKHSPEGFLTINDVGPADAGRYECVARNTIG 618

RESULT 14
US-10-021-660-125
; Sequence 125, Application US/10021660
; Publication No. US20030152926A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynn, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: No. US20030152926A1 Methods of Diagnosis of Angiogenesis,
; FILE REFERENCE: 018501-000710US
; CURRENT APPLICATION NUMBER: US/10/021,660
; CURRENT FILING DATE: 2001-12-06
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; PRIOR APPLICATION NUMBER: US/09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/637,977
; PRIOR FILING DATE: 2000-08-11
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 125
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-021-660-125

Query Match      6.5%; Score 135; DB 14; Length 1496;
Best Local Similarity 25.0%; Pred. No. 0.038;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;

QY 13 GSGSGNEVEGPONATVVGKSGQARENCTVS--QGKLMWALSDMVVLSVRPMEPIITNDR 71
Db 354 GSPARTFVIQONTVEVLGSEVTLCSATGHPPPRISWTRGDRTPLPVDPVRVNIPTS-- 411
QY 72 FTSQRYDQGNFTSEMIHNVPESDSGNIRCSLQNS--RLHGSAYLTVQVMGELFIPSVN 129
Db 412 -----GG-----LYIQNVQGDSEYACSATNIDSVHATAFIIVQALPQFTVTPQD 458
QY 130 LVVAENPECVTCLPSHWTRLPDISW-ELGLLVSHSSYFVPEPSDQSAVSILALTPQS 188
Db 459 RVVIEGQTVDFQC-EAKGNPPPVIAWTKGSQLSVDRRLHLVSSGTLR--ISGVALHDQ- 514
QY 189 NGTLTCVATWKSILKARKSATVNLTV-----IRCPQDT-----GGGINIPGVLSLPSL 236
Db 515 -GQYEQAV--NIIGSQVVAHLTVQPRVTPVPFASIPSDTTVEVGANVQLP-----CSSQ 566
QY 237 GFSLP--TWGKVLGL--AGTMLLTPTCTLTI-----RCCCRRCOG 275
Db 567 GEPEPAITWKGQVQVTSKGKHSPEGFLTINDVGPADAGRYECVARNTIG 618

RESULT 15
US-10-331-496A-28
; Sequence 28, Application US/10331496A
; Publication No. US20030228305A1
; GENERAL INFORMATION:
; APPLICANT: FRANTZ, GRETCHEN
; APPLICANT: HILLAN, KENNETH J.
; APPLICANT: PHILLIPS, HEIDI S.
; APPLICANT: POLAKIS, PAUL
; APPLICANT: SMITH, VICTORIA
; APPLICANT: SPENCER, SUSAN D.
; APPLICANT: WILLIAMS, P. MICKEY
; APPLICANT: WU, THOMAS D.
; APPLICANT: ZHANG, ZEMIN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: P5014R1-PCT
; CURRENT APPLICATION NUMBER: US/10/331,496A
; CURRENT FILING DATE: 2002-12-30
; PRIOR APPLICATION NUMBER: US 60/345,444
; PRIOR FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: US 60/351,885
; PRIOR FILING DATE: 2002-01-25
; PRIOR APPLICATION NUMBER: US 60/360,066
; PRIOR FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: US 60/362,004
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/366,869
; PRIOR FILING DATE: 2002-03-20
; PRIOR APPLICATION NUMBER: US 60/366,284
; PRIOR FILING DATE: 2002-03-21
; PRIOR APPLICATION NUMBER: US 60/368,679
; PRIOR FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/405,645
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Fri Aug 6 08:39:27 2004

; PRIOR FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 28
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-331-496A-28

Query Match 6.5%; Score 135; DB 15; Length 1496;
Best Local Similarity 25.0%; Pred. No. 0.038;
Matches 73; Conservative 36; Mismatches 127; Indels 56; Gaps 15;
QY 13 GSGSGNEVIEGPONATVLKGSQARFNCTYS-QGKLIIMWALSDMVVLSVRPMEPIITNDR 71
DB 354 GSPARPTFVIQPNTEVLVGESVTLCSATGHPPPRISWTRGDRTPDPVDPVNIIPS-- 411
QY 72 FTSQRYDQGNFTSEMIHNVPSDSGNIRCSLQNS--RLHGSAYLTVQVMGELFIPSVN 129
DB 412 -----GG-----LYIQNVQDSDGEYACSATNNIDSVHATAFIIVQALPQFTVTPQD 458
QY 130 LVVAENPECEVTCPLPSHWTLPDISM-ELGLLVSHSYYPVPEPSDLOSASVILALTPQS 188
DB 459 RVVIEGQTVDFQC-EAKGNPPPIAWTKGGSQLSVDRRHVLVLSGTLR--ISGVALHDQ- 514
QY 189 NGHLTCVATWKS LKARKSATVNLTV-----IRCPQDT-----GGGINIPGVLSLPSL 236
DB 515 -GOYECQAV--NIIGSQKVAHLTVQPRVTPVFASIPSDTTFVEGVANVQLP-----CSSQ 566
QY 237 GFSLP--TWGKVLGL--AGTMLITPTCTLTI-----RCCCCRRRCOG 275
DB 567 GEPEPAITWNKDGQVVTESGKFHISPGFLTINDVGPADAGRECVARNTIG 618

Search completed: July 30, 2004, 15:15:40
Job time : 41.4731 secs

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OM protein - protein search, using sw model

Run on: July 30, 2004, 14:57:22 ; Search time 15.052 Seconds
(without alignments)
1323.919 Million cell updates/sec

Title: US-09-729-264-4
Perfect score: 2088
Sequence: 1 MVAGAMENRPPGSGGNEV.....HPQAFNLASPEKVSNTTVV 386

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/2/iaa/5A COMB.pcp.*
2: /cgn2_6/prodata/2/iaa/5B COMB.pcp.*
3: /cgn2_6/prodata/2/iaa/6A COMB.pcp.*
4: /cgn2_6/prodata/2/iaa/6B COMB.pcp.*
5: /cgn2_6/prodata/2/iaa/PCTUS COMB.pcp.*
6: /cgn2_6/prodata/2/iaa/backfiles1.pcp.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	145.5	7.0	404	US-09-638-649-3	Sequence 3, Appli
2	136	6.5	1447	US-09-041-886-25	Sequence 25, Appl
3	136	6.5	1447	PCT-US94-05277-2	Sequence 2, Appli
4	132.5	6.3	869	US-08-374-834-16	Sequence 16, Appl
5	132.5	6.3	869	US-08-644-271-29	Sequence 29, Appl
6	132.5	6.3	869	US-09-077-955-33	Sequence 33, Appl
7	128.5	6.2	1345	US-08-377-767-3	Sequence 3, Appli
8	123.5	5.9	340	US-09-651-200-2	Sequence 2, Appli
9	123.5	5.9	441	US-09-651-200-4	Sequence 4, Appli
10	122.5	5.9	534	US-09-651-200-6	Sequence 6, Appli
11	122.5	5.9	534	US-09-651-200-24	Sequence 24, Appl
12	121.5	5.8	332	US-09-062-365-1	Sequence 1, Appli
13	120	5.7	1395	US-09-540-245A-15	Sequence 15, Appl
14	118	5.7	868	US-08-374-834-1	Sequence 1, Appli
15	118	5.7	868	US-08-644-271-1	Sequence 1, Appli
16	116.5	5.6	318	US-09-077-955-1	Sequence 1, Appli
17	116.5	5.6	318	US-08-633-148-4	Sequence 4, Appli
18	116.5	5.6	340	US-08-633-148-2	Sequence 2, Appli
19	115.5	5.5	478	PCT-US95-08493-15	Sequence 15, Appl
20	115.5	5.5	860	PCT-US95-08493-19	Sequence 19, Appl
21	115.5	5.5	868	PCT-US95-08493-21	Sequence 21, Appl
22	115.5	5.5	946	PCT-US95-08493-13	Sequence 13, Appl
23	115	5.5	313	US-09-700-397-4	Sequence 4, Appli
24	115	5.5	344	US-09-700-397-3	Sequence 3, Appli
25	114.5	5.5	364	US-08-896-537A-3	Sequence 3, Appli
26	113	5.4	325	US-09-651-200-20	Sequence 20, Appl
27	113	5.4	1461	US-09-976-594-531	Sequence 531, App

ALIGNMENTS

RESULT 1
US-09-638-649-3
; Sequence 3, Application US/09638649
; Patent No. 6563015
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Yan, Shi Du
; TITLE OF INVENTION: TRANSGENIC MICE OVER-EXPRESSING RECEPTOR FOR ADVANCED GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; TITLE OF INVENTION: GLYCATION ENDPRODUCT (RAGE) AND MUTANT APP IN BRAIN AND
; FILE REFERENCE: 0575/62175
; CURRENT APPLICATION NUMBER: US/09/638,649
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Human
US-09-638-649-3

Query Match 7.0%; Score 145.5; DB 4; Length 404;
Best Local Similarity 23.5%; Pred. No. 6.8e-05;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;
QY 64 EPIITNDRFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR----CSLQNSRLHGS 112
Db 162 KPLVPNEKGVSKQTRRHPTGLFTLQSELM--VTPARGGDRPTFCSCFSFGLPRHR 218
QY 113 AVLTQVMGELIP---SVNLVVAENP-----CEVTCLPSHTWLPDIS 154
Db 219 ALRTAPIQPRVWEVPLEVQLVW---EPEGAVAPGGTTLTCEVPAQPS-----PQIH 270
QY 155 WELGLLVSHSSYFYFPEPSDLQSAVSILALTPOSGNLTTCVATWKSARKSATVNLTVI 214
Db 271 WMKD-----GVPLPLPPSVLLIPEIGPDQGTYSVATHSHGQESRAVISII 321
QY 215 RCPQDTGGGINIPGVLSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPSLPS 267
Db 322 E-PGEG-----PTAGSVGGSGLGTALALGILGGLGTAALLIGVI 361
QY 268 CCRRECCGNCRCRCFCRC 325
Db 362 LMQR-----QRRGEERKAPENQEEEEAEALN-----389
QY 326 KTTDTASLPKSCSSDPORNSSCGPP 353
Db 390 -----QSEEPAGESSITGGP 404

Sequence 24, Appl
Sequence 24, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 17, Appl
Sequence 6, Appl
Sequence 2, Appl
Sequence 20, Appl
Sequence 22, Appl
Sequence 22, Appl
Sequence 67, Appl
Sequence 6, Appl
Sequence 2, Appl

28 112.5 5.4 316 4 US-09-910-174B-24
29 112.5 5.4 316 4 US-09-620-461-24
30 112.5 5.4 416 4 US-09-638-649-1
31 112 5.4 689 4 US-09-499-964-1
32 109 5.2 421 2 US-08-659-984A-1
33 109 5.2 421 3 US-08-660-531-1
34 109 5.2 444 3 US-08-659-984A-5
35 109 5.2 444 3 US-08-660-531-5
36 107.5 5.1 362 1 US-08-415-751-6
37 107 5.1 1297 3 US-09-540-245A-17
38 106 5.1 801 1 US-07-906-349A-6
39 106 5.1 1497 4 US-09-060-849B-2
40 105 5.0 285 3 US-08-482-085B-20
41 104 5.0 319 1 US-08-597-495B-22
42 104 5.0 319 3 US-09-068-051A-22
43 104 5.0 319 4 US-09-336-536-67
44 104 5.0 319 4 US-09-254-465A-6
45 104 5.0 690 4 US-08-935-433-2


```

, STREET: 777 Old Saw Mill River Road
, CITY: Tarrytown
, STATE: New York
, COUNTRY: USA
, ZIP: 10591
,
, COMPUTER READABLE FORM:
,
, MEDIUM TYPE: Floppy disk
, COMPUTER: IBM PC compatible
, OPERATING SYSTEM: PC-DOS/MS-DOS
, SOFTWARE: Patenclin Release #1.0, Version #1.30
,
, CURRENT APPLICATION DATA:
, APPLICATION NUMBER: US/08/374,834
, FILING DATE: 19-JAN-1995
, CLASSIFICATION: 435
,
, PRIOR APPLICATION DATA:
, APPLICATION NUMBER: US 08/095,658
, FILING DATE: 21-JUL-1993
, ATTORNEY/AGENT INFORMATION:
,
, NAME: Cobert, Robert J.
, REGISTRATION NUMBER: 36,108
, REFERENCE/DOCKET NUMBER: REG 190A
,
, TELECOMMUNICATION INFORMATION:
, TELEPHONE: (914) 345-7400
, TELEFAX: (914) 345-7721
,
, INFORMATION FOR SEQ ID NO: 16:
,
, SEQUENCE CHARACTERISTICS:
,
, LENGTH: 869 amino acids
, TYPE: amino acid
, STRANDEDNESS:
,
, TOPOLOGY: unknown
,
, MOLECULE TYPE: protein
,
, US-08-374-834-16

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Query Match	6.3%;	Score 132.5;	DB 1;	Length 869;
Best Local Similarity	20.8%;	Pred. No. 0.0029;		
Matches	89;	Conservative	55;	Mismatches 178; Indels 105; Gaps 20;

QY	4	GAMENRPPPGSGNEVIEGPONARVLKGSQARFNCTVSOGWK-LIMWALSDMWVLVSRP	62
Db	113	GALQVKMKP-----KITRPPIINKIIEGLKAVLPCTTMGNPKFSVSWIKGD-----	158
QY	63	MEPIITNDRFTSQRYDOGGNFTSEMILHNVEPDSGNIRCSLQNSLRHLSGAY-LTVQVMG	121
Db	159	-SPLRENSRIAVLE-----SGSLRHNHVKEDAGQYRCVAKNSL--GTAYSKVVKLEV	208
QY	122	ELFIPSVNLVAENEP-----CEVTCLPSPHWTMLPDISW-ELGLLVSHSSYFFVPEP	172
Db	209	EVFARILRAPESHNVTFSGFVTLHCTATGP-----VPTITWENGNAVSSGSIQESVKD	263
QY	173	SDLOSAVSIILATPQSGNTTITCVAT-----WKSUKARKSATVNLTVIRCPDQTGGG	223
Db	264	RVIDSRQLQFITKP--GLYTCIATNKHGKFSTAKAAATISIAEMSKPKQDNKGCAQY	320
QY	224	----INIPGVLSLPSLGFSL-----PTWCKVGLGLAGTLMLLTPTCTLITRCC	267
Db	321	RGEVCMNAVLAAKDALVFLNTSYADPEEAQELLVHTAMNEL-----KWVSFVCPRAEAL	373
QY	268	CCRRRCGCGN-----CCRCRC-----FCRRRKGFRIOFKQKSEKTNKKTETE	312
Db	374	LCNHITQECSPGVVPTPIPICREYCLAVKELFCAKE-----WLWEEKTHRGLYRSEMHLL	439
QY	313	SGNENSGYNSDEQKTTDTDTASLPKSCSSDPQORNSCGPPHQRADQRP-----PRPASHP	368
Db	430	SVPECSKLPMSHWDPACARLP-----HLDYNKENLKTFFP--WTSSKPSVDIPNLPSSS	482
QY	369	QASFNULA 375	
Db	483	SSSFSVS 489	

RESULT 5
US-08-644-271-29
: Sequence 29, Application US/08644271

Patent No. 5814478

GENERAL INFORMATION:

APPLICANT: Valenzuela, et al.

TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS

TITLE OF INVENTION: AND LIGANDS

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: Regeneron Pharmaceuticals, Inc.

STREET: 777 Old Saw Mill Road

CITY: Tarrytown

STATE: NY

COUNTRY: USA

ZIP: 10591

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/644,271

FILING DATE: 10-MAY-1996

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: USSN 60/008,657

FILING DATE: 15-DEC-1995

ATTORNEY/AGENT INFORMATION:

NAME: Cobert, Robert J

REGISTRATION NUMBER: 36,108

REFERENCE/DOCKET NUMBER: REG 195A

TELECOMMUNICATION INFORMATION:

TELEPHONE: 914-345-7400

TELEFAX: 914-345-7721

TELEX:

Query Match	6.3%	Score 132.5;	DB 2;	Length 869;
Best Local Similarity	20.8%	Pred. No. 0.0029;		
Matches	89;	Conservative	55;	Mismatches 178;
				Indels 105;
				Gaps 20;
QY	4	GAMENRDPGSGNEVIEGPQARVLKGSQARFNCTVSGWK-LIMKALSDMVLSVRP	62	
Db	113	GALQVWKPK-----KITRPPINVKIEGLKAVLPCTMGNPKPSWIKGD-----	158	
QY	63	MEPIITNDRTSORYDQGNFTSEMIHNHVEPSDSGNIRCSLQNSRLHGSAY-LTVQVMG	121	
Db	159	-SPLRENSRIAVLE-----SGSLRIHNHVKEDAGQYRCVAKNSL--GTAYSKWVKLEV	208	
QY	122	ELRIPSVNLVVAENP-----CEVTCLPSHWTLPLDISW-ELGLLVSHSHSYFYFPEP	172	
Db	209	EVFARILRAPESHNVTFGFSVTLHCTATGP-----VPTITWENGNAVSSGIGBSVKD	263	
QY	173	SDIQSAVSIALLPQSGNLTLCVAT-----WKSLLKARKSATVNLTVIRCPDQTGGG----	223	
Db	264	RVIDSRQLQFITKP--GLYTCLATNKHGKFKSTAKAAATISIAENSKPKQDNKGCAQY	320	
QY	224	-----INIPGVLSLPSLGFSL-----PTWGVGLGLAGTMTLTPCTCLTIRCC	267	
Db	321	RGEVCNAVILAKDALVFNITSYADPEEAQELLVHTAWNEL-----KWVSPVCRPAEAL	373	
QY	268	CCRRRCGCGN-----CCCRCC-----FCRRKRGFRIOFKKSKKEKTNKETETE	312	
Db	374	LCNHIFQEGSGPVVTPPIPIREYCLAVKELPCKAE-----WLWMBEKTHGLYRSEMHLL	429	
QY	313	SGNENSGYNSDEQKTTDTTASLPFKSCESDDPEQRNSSCGPPHORADQRP-----PRPASHP	368	
Db	430	SVPECSKLPSEMDWDTACARLP-----HLDYKNENIKTEPPP--MTSSKSPVDIPIPISSS	482	

RESULT 5
US-08-644-271-29
; Sequence 29, Application US/08644271

QY 369 QASENLA 375
Db 483 SSSFSVS 489

RESULT 6
US-09-077-955-33
; Sequence 33, Application US/09077955A
; Patent No. 6413740
; GENERAL INFORMATION:
; APPLICANT: Valenzuela et al., David M.
; TITLE OF INVENTION: NOVEL TYROSINE KINASE RECEPTORS AND LIGANDS
; FILE REFERENCE: REG195-B-PCT-US
; CURRENT APPLICATION NUMBER: US/09/077,955A
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PCT/US96/20696
; EARLIER FILING DATE: 1996-12-13
; EARLIER APPLICATION NUMBER: 08/644,271
; EARLIER FILING DATE: 1996-05-10
; EARLIER APPLICATION NUMBER: 60/008,657
; EARLIER FILING DATE: 1995-12-15
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 33
; LENGTH: 869
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-077-955-33

Query Match 6.3%; Score 132.5; DB 4; Length 869;
Best Local Similarity 20.8%; Pred. No. 0.0029;
Matches 89; Conservative 55; Mismatches 178; Indels 105; Gaps 20;

QY 4 GARNRDPGSGNEVIEGPQARVLKGSQARENCTVSGWK-LIMWALSDMVVLVSRP 62
Db 113 GALQVKMP-----KITRPINVKIIEGLKAVLPCTTMGNPKPSVSWIKGD----- 158
QY 63 MEPIITNDRFTSQRYDOGGNFTSEMIHNVPEPSDGNIRCSLQNSLRHGSAY-LTVQVMG 121
Db 159 -SPLENSRIAVALR-----SGSLRIHNVOKEGAGQYRCVAKNSL--GTAYSKVVKLEV 208
QY 122 ELRIPSNLVVAENP-----CEVTCPLPSHTWLPDISW-BLGLLVSHSSYFVPEP 172
Db 209 EVFARIIRAPESHNVTTGSGFVLHCTATGP-----VPTIWIENGNAVSSGSIQESVKD 263
QY 173 SDLOSAYSILALTPQSGNLTTCVAT-----WKSLLKARKSATVNLTVIRCPQDTGGG----- 223
Db 264 RVIDSRLLQFTTKP--GLYTCIATNKGHEKFKSTAKAAATISIAEWSKPKQDNKGCAQY 320
QY 224 ----INIPGVLSLPSLGPSL-----PTWKGVLGLAGTMLLTPTCTLTIRCC 267
Db 321 RGEVCNAVLAKDALVFLNTSYADPEEAQELLVHTAWNEL-----KVVSVPVCPAPAEAL 373
QY 268 CRRRCOCGN-----CCRCRC-----FCRRKRGFPRIQFKKSEKKTNETETE 312
Db 374 LCNHIFQECSPGVPTPIPCREYCLAVKELFCAKE-----WLVMEKTHRGYRSEMHL 429
QY 313 SGNENSGYNSDEQKTTDTASLPKSCSSDEQRNSCGPHQRADQRP-----PPASHP 368
Db 430 SVPECSKLPMSHWDPTACARLP-----HLDYNKENLKTFFP--MTSSKPSVDIPNLPSS 482

QY 369 QASENLA 375
Db 483 SSSFSVS 489

RESULT 7
US-08-977-767-3
; Sequence 3, Application US/08977767
; Patent No. 5972684
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga

APPLICANT: Yue, Henry
APPLICANT: Greenwald, Sara
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/977,767
FILING DATE: Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0423 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
TELEFAX: 650-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1345 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1532042
US-08-977-767-3

Query Match 6.2%; Score 128.5; DB 2; Length 1345;
Best Local Similarity 33.0%; Pred. No. 0.012;
Matches 37; Conservative 1; Mismatches 41; Indels 33; Gaps 5;

QY 190 GTLTCTVATWLSLKARKSATVNLTVIRCPQDTGGGI-----NIPGVLSLPSLGSLPTWGWK 245
Db 414 GTCTCTGT-----GC-CGTGGGAAGCGTCAGAGCCCCCGTGATGTGGA 455
QY 246 VGLGLAGTMLLT-PTCTLTIRCCRRRCRCGCCNCCRC-----CFCC 286
Db 456 CGTGAAGAGGTCCTCTATGACCCCTCTCTGCCCCCTCTGAGACTCAGCACC 507

RESULT 8
US-09-651-200-2
; Sequence 2, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578


```

; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 2
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-2

Query Match
Best Local Similarity 5.9%; Score 123.5; DB 4; Length 340;
Matches 78; Conservative 50; Mismatches 130; Indels 109; Gaps 17;

QY 11 PPGSGGNEVIEGPQNAV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
Db 45 PQRSPTGAVEQVPEDPVVALVGTDLTHCSFSPGFSLTQNLNLIWQTDTKOLV---
QY 64 EPIITNDRFTSQRYDQGNF-----TSEMIHNVPEPSDGNIRCSLQNSRL 109
Db 101 -----HSFTEGR-DQGSAYANRTALFPDILLAQNASLRLQVRVADEGSFTCFV-SIRD 152
QY 110 HGSAYLTVQVMGELFIPSNLV-----VAENPECEVTCLPSHWTWLP--DISWELGL---L 160
Db 153 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDQGVPL 210
QY 161 VSHSSYFVPEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCP--- 217
Db 211 TGNVTTSQMANEOGLFDVHSLRVVLGANGTYS-
QY 218 QDTGGGINIPGVLSLPSLFGSLPTWKGVLGLAGTMLTPTCTLTIRCCCRRCGCGN 277
Db 253 QDAHGSVTITGQPMTPPEAL-----WTVGLSVCLIALLV----- 288
QY 278 CCRCFCRKRKGRFRIQFKKSEKTKETETESGNENSGYNSDEQKTTDTASLPKPS 337
Db 289 ---ALAFVCRK-----IKQSCENAGADQDG-----EGGSKTALQPLKH 328
QY 338 CESSDPE 344
Db 329 SDSKEDD 335

RESULT 9
US-09-651-200-4
; Sequence 4, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 4
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-4

Query Match
Best Local Similarity 5.9%; Score 123.5; DB 4; Length 441;
Matches 78; Conservative 50; Mismatches 130; Indels 109; Gaps 17;

QY 11 PPGSGGNEVIEGPQNAV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
Db 45 PQRSPTGAVEQVPEDPVVALVGTDLTHCSFSPGFSLTQNLNLIWQTDTKOLV---
QY 64 EPIITNDRFTSQRYDQGNF-----TSEMIHNVPEPSDGNIRCSLQNSRL 109
Db 101 -----HSFTEGR-DQGSAYANRTALFPDILLAQNASLRLQVRVADEGSFTCFV-SIRD 152
QY 110 HGSAYLTVQVMGELFIPSNLV-----VAENPECEVTCLPSHWTWLP--DISWELGL---L 160
Db 153 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDQGVPL 210
QY 161 VSHSSYFVPEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCP--- 217
Db 211 TGNVTTSQMANEOGLFDVHSLRVVLGANGTYS-
QY 218 QDTGGGINIPGVLSLPSLFGSLPTWKGVLGLAGTMLTPTCTLTIRCCCRRCGCGN 277
Db 253 QDAHGSVTITGQPMTPPEAL-----WTVGLSVCLIALLV----- 288
QY 278 CCRCFCRKRKGRFRIQFKKSEKTKETETESGNENSGYNSDEQKTTDTASLPKPS 337
Db 289 ---ALAFVCRK-----IKQSCENAGADQDG-----EGGSKTALQPLKH 328
QY 338 CESSDPE 344
Db 329 SDSKEDD 335

RESULT 10
US-09-651-200-6
; Sequence 6, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 6
; LENGTH: 534
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-6

Query Match
Best Local Similarity 5.9%; Score 122.5; DB 4; Length 534;
Matches 78; Conservative 49; Mismatches 131; Indels 109; Gaps 17;

QY 11 PPGSGGNEVIEGPQNAV-LKGSQARFNCTVS--QGWL-----IMWALSDMVLSVRPM 63
Db 239 PQRSPTGAVEQVPEDPVVALVGTDLTHCSFSPGFSLTQNLNLIWQTDTKOLV--- 294
QY 64 EPIITNDRFTSQRYDQGNF-----TSEMIHNVPEPSDGNIRCSLQNSRL 109
Db 295 -----HSFTEGR-DQGSAYANRTALFPDILLAQNASLRLQVRVADEGSFTCFV-SIRD 346
QY 110 HGSAYLTVQVMGELFIPSNLV-----VAENPECEVTCLPSHWTWLP--DISWELGL---L 160
Db 347 FGSAAVSLQVAAPYKPSMTLEPNKDLRPGDVTITC--SSYRGYPEAEVFWQDQGVPL 404
QY 161 VSHSSYFVPEPSDLOSASVILALTPQSNGLTLCVATWKSLSKARKSATVNLTVIRCP--- 217
Db 405 TGNVTTSQMANEOGLFDVHSLRVVLGANGTYS-

```


Db 523 SDSKEDD 529

RESULT 12

US-09-062-365-1

; Sequence 1, Application US/09062365

; Patent No. 6465422

; GENERAL INFORMATION:

; APPLICANT: Schmidt, Ann Marie

; APPLICANT: Stern, David

; TITLE OF INVENTION: METHOD FOR INHIBITING TUMOR INVASION OR SPREADING IN A

; TITLE OF INVENTION: SUBJECT

; FILE REFERENCE: 55424

; CURRENT APPLICATION NUMBER: US/09/062,365

; CURRENT FILING DATE: 1998-04-17

; NUMBER OF SEQ ID NOS: 6

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 332

; TYPE: PRT

; ORGANISM: Human

US-09-062-365-1

Query Match 5.8%; Score 121.5; DB 4; Length 332;

Best Local Similarity 25.7%; Pred. No. 0.0075;

Matches 57; Conservative 27; Mismatches 69; Indels 69; Gaps 11;

QY 64 EPIITNDREFTS-----QRYDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112

Db 140 KPLVPNEKGVSVKEQTRHPETGLFTLQSELM---VTPARGGDRPRTFSCFSPLPRHR 196

QY 113 AYLTVQVMGELFTIP-----SVNLVVAENEP-----CEVTCLPSHWTWLPDIS 154

Db 197 ALRTAPIQPRWEPVPLEEVQLVV---EPEGGAVAPGGTTLTCEVPAQPS-----FOIH 249

QY 155 WELGLLVSHSYFVVPPEPSDLSQSAVSIALTPOSGNLTTCVATWKSLSKARKSATVNLTVI 214

Db 249 WMKD-----GVPLPSPVLILPEIGPQDQGYSCVATHSSHGPGQESRAVSISII 299

QY 215 RCPDGTGGINIPGVLSLSLPSLGTWKGVLGLAGTMLL 256

Db 300 E-PGEEG-----PTAGSVGGSGGLGTAL 321

RESULT 13

US-09-540-245A-15

; Sequence 15, Application US/09540245A

; Patent No. 6270984

; GENERAL INFORMATION:

; APPLICANT: Goodman, Corey

; APPLICANT: Kid, Thomas

; APPLICANT: Broese, Katja

; APPLICANT: Tessier-Lavigne, Marc

; TITLE OF INVENTION: Modulating Robo: Ligand Interactions

; FILE REFERENCE: B98-031-3

; CURRENT APPLICATION NUMBER: US/09/540,245A

; CURRENT FILING DATE: 2000-03-31

; PRIOR APPLICATION NUMBER: 60/065,544

; PRIOR FILING DATE: 1997-11-14

; PRIOR APPLICATION NUMBER: 60/081,057

; PRIOR FILING DATE: 1998-04-07

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 15

; LENGTH: 1395

; TYPE: PRT

; ORGANISM: Drosophila melanogaster

US-09-540-245A-15

Query Match 5.7%; Score 120; DB 3; Length 1395;

Best Local Similarity 26.2%; Pred. No. 0.074;

Matches 66; Conservative 29; Mismatches 101; Indels 56; Gaps 15;

QY 218 QDTGGGINIPGVLSLPSLPSLPGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGCN 277

Db 447 QDAHGSVTTITGQPMTFPPPEAL-----WVTGLSVCLIALLV----- 482

QY 278 CCCRCCFCRRKRGFRIOQKSEKTKNETETESGNENSGYNSDEQKTTDTASLPKPS 337

Db 483 ---ALAFVCWRK-----IKOSCEEENAGAEQDQG-----EGGSKTALQPLKH 522

QY 338 CESSDPE 344

Db 523 SDSKEDD 529

RESULT 11

US-09-651-200-24

; Sequence 24, Application US/09651200

; Patent No. 6423303

; GENERAL INFORMATION:

; APPLICANT: Green et al

; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B

; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

; TITLE OF INVENTION: Polypeptides Encoded Thereby

; FILE REFERENCE: 15966-562 (CURA-62)

; CURRENT APPLICATION NUMBER: US/09/651,200

; CURRENT FILING DATE: 2000-08-30

; PRIOR APPLICATION NUMBER: 60/152383

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: 60/172909

; PRIOR FILING DATE: 1999-12-21

; PRIOR APPLICATION NUMBER: 60/183578

; PRIOR FILING DATE: 2000-02-18

; NUMBER OF SEQ ID NOS: 25

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 24

; LENGTH: 534

; TYPE: PRT

; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: Description of Unknown Organism: Sequence

; OTHER INFORMATION: mz5020.protein from Figure 4.

US-09-651-200-24

Query Match 5.9%; Score 122.5; DB 4; Length 534;

Best Local Similarity 21.3%; Pred. No. 0.012;

Matches 78; Conservative 49; Mismatches 131; Indels 109; Gaps 17;

QY 11 PPGSGSGNEVTEGPQNAHV-LKGSQARFNCTVS--QGWKL-----IMWALSDMVVLVSRPM 63

Db 239 FORPTGAVFQVQVEDPVVALVGTDLRCFSPEPGSLAQLNLWLTDTKQLV----- 294

QY 64 EPIITNDREFTSQRVDQGNF-----TSEMIHNVPSDSGNIRCSLQNSRL 109

Db 295 -----HSFTEGR-DQGSAYANRTALFPDOLLAQGNASLRLQVRVADEGSCFFV-SIRD 346

QY 110 HGSAYLTVQVMGELFIPSVNLV-----VAENEPCEVTCLPSHWTWLP--DISWELGL--L 160

Db 347 FGSAAVSLQVAAPYKPSMTLEPNKDLRPDGTVTITC--SSYRGVPEAEVFWQDQGVPL 404

QY 161 VSHSYFYFVPEPSDLSQSAVSIALTPOSGNLTTCVATWKSLSKARKSATVNLTVIRCP--- 217

Db 405 TGNVTTSQMANEQGLFDVHSLRVVLGANGTYSC-----LVNPFVLQ 446

QY 218 QDTGGGINIPGVLSLPSLPSLPGFSLPTWKGVLGLAGTMLLTPTCTLTIRCCCCRRCCGCN 277

Db 447 QDAHGSVTTITGQPMTFPPPEAL-----WVTGLSVCLIALLV----- 482

QY 278 CCCRCCFCRRKRGFRIOQKSEKTKNETETESGNENSGYNSDEQKTTDTASLPKPS 337

Db 483 ---ALAFVCWRK-----IKOSCEEENAGAEQDQG-----EGGSKTALQPLKH 522

QY 338 CESSDPE 344

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 30, 2004, 15:02:03 ; Search time 40.4731 Seconds
(without alignments)
2991.654 Million cell updates/sec

Title: US-09-729-264-4

Perfect score: 2088

Sequence: 1 MVAGAMENRPPGSGGNEV.....HPQAFNLASPEKVSNTTV 386

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1291235 seqs, 313682936 residues

Total number of hits satisfying chosen parameters: 1291235

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2000	95.8	407	15	US-10-104-047-3074
2	145.5	7.0	390	16	Sequence 3074, Ap
3	145.5	7.0	390	16	Sequence 98, Appl
4	145.5	7.0	404	16	Sequence 100, Ap
5	140	6.7	405	8	Sequence 96, Appl
6	138.5	6.6	2473	14	Sequence 4, Appli
7	138.5	6.6	2473	14	Sequence 559, App
8	138	6.6	1477	14	Sequence 559, App
9	138	6.6	1477	12	Sequence 20, Appl
10	138	6.6	1496	12	Sequence 325, App
11	138	6.6	1496	14	Sequence 87, Appl
12	138	6.6	1496	15	Sequence 125, App
13	138	6.6	1498	12	Sequence 28, Appl
14	138	6.6	1498	12	Sequence 1957, Ap
15	136	6.5	750	15	Sequence 899, App
					Sequence 240, App

16	132.5	6.3	869	13	US-10-016-283-33	Sequence 33, Appl
17	132	6.3	633	14	US-10-180-410-26	Sequence 26, Appl
18	131.5	6.3	869	9	US-09-817-487A-2	Sequence 2, Appli
19	129	6.2	4675	15	US-10-093-463-74	Sequence 74, Appl
20	129	6.2	4691	15	US-10-093-463-72	Sequence 72, Appl
21	128.5	6.2	305	15	US-10-094-749-3018	Sequence 3018, Ap
22	128	6.1	592	12	US-10-312-528-2	Sequence 2, Appli
23	128	6.1	592	14	US-10-180-410-2	Sequence 12, Appl
24	128	6.1	594	12	US-10-312-528-12	Sequence 12, Appl
25	128	6.1	594	14	US-10-180-410-12	Sequence 12, Appl
26	128	6.1	708	12	US-10-206-915-584	Sequence 584, App
27	128	6.1	708	12	US-10-199-670-584	Sequence 584, App
28	128	6.1	708	12	US-10-201-858-584	Sequence 584, App
29	128	6.1	708	12	US-10-205-890-584	Sequence 584, App
30	128	6.1	708	12	US-10-208-024-584	Sequence 584, App
31	128	6.1	708	12	US-10-201-853-584	Sequence 584, App
32	128	6.1	708	12	US-10-174-581-584	Sequence 584, App
33	128	6.1	708	12	US-10-176-483-584	Sequence 584, App
34	128	6.1	708	12	US-10-176-483-584	Sequence 584, App
35	128	6.1	708	12	US-10-176-914-584	Sequence 584, App
36	128	6.1	708	12	US-10-176-915-584	Sequence 584, App
37	128	6.1	708	12	US-10-176-484-584	Sequence 584, App
38	128	6.1	708	12	US-10-180-550-584	Sequence 584, App
39	128	6.1	708	12	US-10-183-014-584	Sequence 584, App
40	128	6.1	708	12	US-10-187-738-584	Sequence 584, App
41	128	6.1	708	12	US-10-187-740-584	Sequence 584, App
42	128	6.1	708	12	US-10-187-883-584	Sequence 584, App
43	128	6.1	708	12	US-10-194-363-584	Sequence 584, App
44	128	6.1	708	12	US-10-194-460-584	Sequence 584, App
45	128	6.1	708	12	US-10-194-463-584	Sequence 584, App

ALIGNMENTS

RESULT 1

US-10-104-047-3074
; Sequence 3074, Application US/10104047
; Publication No. US20030236392A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cdna
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; CURRENT FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; PRIOR FILING DATE:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3074
; LENGTH: 407
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-104-047-3074

Query Match	95.8%;	Score	2000;	DB	15;	Length	407;
Best Local Similarity	99.2%;	Pred. No.	6.5e-164;				
Matches	371;	Conservative	1;	Mismatches	2;	Indels	0;
Gaps	0;						
Qy	13	CGSGNEVIEGPQNAVLKGSQARNCTVSGQWKLMWALSDMVVLSVRPMEPIITNDRF	72				
Db	34	CGSGNEVIEGPQNAVLKGSQARNCTVSGQWKLMWALSDMVVLSVRPMEPIITNDRF	93				
Qy	73	TSQRYDQGNFTSEMIHNHVPDSGNIRCSLQNSRLHGSAYLTVQVMGELFIPSVNLV	132				
Db	94	TSQRYDQGNFTSEMIHNHVPDSGNIRCSLQNSRLHGSAYLTVQVMGELFIPSVNLV	153				
Qy	133	AENPECEVTCLPSHWMLPDIISWELGVSHSSYFFPEPSDLSQSAVSIILATPQSGNGL	192				
Db	154	AENPECEVTCLPSHWMLPDIISWELGVSHSSYFFPEPSDLSQSAVSIILATPQSGNGL	213				
Qy	193	TCVATWKSLLKARKSATNLTIVIRCPQTGGGINTPGVLSLPSLPGSLPTWKGVLGLAG	252				
Db							


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Db      214  TCVATWKSFKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGFSLFTWGVGLAG 273
QY      253  TMLLTPTCTLTIRCCCCRRRCGCNCCRCPCRRKRGRFIOFKKSEKTKETETE 312
Db      274  TMLLTPTCTLTIRCCCCRRRCGCNCCRCPCRRKRGRFIOFKKSEKTKETETE 333
QY      313  SGNENSGVNSDEQKTTDTASLPKSCSSDPQRNSCGPPHORADQRP RPASHFQASF 372
Db      334  SGNENSGVNSDEQKTTDTASLPKSCSSDPQRNSCGPPHORADQRP RPASHFQASF 393
QY      373  NLASPEKVSNTTV 386
Db      394  NLASPEKVSNTTV 407

RESULT 2
US-10-309-290-98
; Sequence 98, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.
; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glennda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS OF USE THEREOF
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274

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; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 100
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-309-290-100

Query Match
Best Local Similarity 7.0%; Score 145.5; DB 16; Length 390;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

QY 64 EPIITNDRTS-----QRVDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112
Db 148 KPLVNEKGVSVKEQTRRHPTGLFTLQSELM---VTPARGGDRPTFCSPGRLPRH 204
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVTCPLPSHWTLPDLS 154
Db 205 ALRTAPIQPRVWEPVPLEEVQLV---EPEGGAVAGGVITLTCEVPAQPS-----PQIH 256
QY 155 WELGLLVSHSYFVPEPSDLOSASVILALTPQSNGLTCTVATWKLKARKSATVNLTVI 214
Db 257 WMKD-----GVPELPPSPVLILPEIGPDQGTYSVATHSHHGQESRAVSISII 307
QY 215 RCPQDTGGGINIPGVLSLPSLGFSLPTWCKVGLGLACTMLLT-----PTCTLTIRCC 267
Db 308 E-PGEEG-----PTAGSVGGSLGTALALGLTGLGLTAALLIGVI 347
QY 268 CRRRCGCCGCCRCFCRRKRGFRIOFKKSEKEKT--NKETETESGNENSGYNSDEQ 325
Db 348 LWQRR-----QRRGEERKAPENQEEERAEALN----- 375
QY 326 KTTDTASLPKCESDDPQRNSSCGPP 353
Db 376 -----QSEPEPAGESSTGPP 390

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RESULT 4

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US-10-309-290-96
; Sequence 96, Application US/10309290
; Publication No. US20040023241A1
; GENERAL INFORMATION:
; APPLICANT: Alsbrook II, John P.
; APPLICANT: Anderson, David W.
; APPLICANT: Boldog, Ferenc L.
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Chillakuru, Rajeev A.
; APPLICANT: Edinger, Shlomit R.
; APPLICANT: Gerlach, Valerie L.
; APPLICANT: Gorman, Linda
; APPLICANT: Gould-Rothberg, Bonnie E.
; APPLICANT: Guo, Xiaojia
; APPLICANT: Jeffers, Michael E.

```

```

; APPLICANT: Ji, Weizhen
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Miller, Charles E.
; APPLICANT: Murphey, Ryan
; APPLICANT: Patturajan, Meera
; APPLICANT: Peyman, John A.
; APPLICANT: Rastelli, Luca
; APPLICANT: Rieger, Daniel K.
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Smithson, Glenda
; APPLICANT: Starling, Gary
; APPLICANT: Taupier, Raymond J.
; APPLICANT: Voss, Edward Z.
; APPLICANT: Zhong, Haihong
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-502A
; CURRENT APPLICATION NUMBER: US/10/309,290
; CURRENT FILING DATE: 2002-12-02
; PRIOR APPLICATION NUMBER: 60/336,600
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,285
; PRIOR FILING DATE: 2001-12-07
; PRIOR APPLICATION NUMBER: 60/341,346
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/341,477
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/341,540
; PRIOR FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: 60/342,592
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/344,297
; PRIOR FILING DATE: 2001-12-27
; PRIOR APPLICATION NUMBER: 60/344,903
; PRIOR FILING DATE: 2001-12-31
; PRIOR APPLICATION NUMBER: 60/373,288
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/380,981
; PRIOR FILING DATE: 2002-05-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: Curaseqlist version 0.1
; SEQ ID NO 96
; LENGTH: 404
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-309-290-96

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Query Match
Best Local Similarity 7.0%; Score 145.5; DB 16; Length 404;
Matches 77; Conservative 34; Mismatches 94; Indels 123; Gaps 15;

QY 64 EPIITNDRTS-----QRVDQGNFT--SEMIHNVPSDSGNIR-----CSLQNSRLHGS 112
Db 162 KPLVNEKGVSVKEQTRRHPTGLFTLQSELM---VTPARGGDRPTFCSPGRLPRH 218
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVTCPLPSHWTLPDLS 154
Db 219 ALRTAPIQPRVWEPVPLEEVQLV---EPEGGAVAGGVITLTCEVPAQPS-----PQIH 270
QY 155 WELGLLVSHSYFVPEPSDLOSASVILALTPQSNGLTCTVATWKLKARKSATVNLTVI 214
Db 271 WMKD-----GVPELPPSPVLILPEIGPDQGTYSVATHSHHGQESRAVSISII 321
QY 215 RCPQDTGGGINIPGVLSLPSLGFSLPTWCKVGLGLACTMLLT-----PTCTLTIRCC 267
Db 322 E-PGEEG-----PTAGSVGGSLGTALALGLTGLGLTAALLIGVI 361
QY 268 CRRRCGCCGCCRCFCRRKRGFRIOFKKSEKEKT--NKETETESGNENSGYNSDEQ 325
Db 362 LWQRR-----QRRGEERKAPENQEEERAEALN----- 389

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Fri Aug 6 08:39:26 2004

us-09-729-264-4.rapb

QY 326 KTTDTASLPKSCSSDPQNRSSCGPP 353
Db 390 -----QSEPEAGESSTGGP 404

RESULT 5
US-08-755-235-4
; Sequence 4, Application US/08755235
; Publication No. US20030059423A1
; GENERAL INFORMATION:
; APPLICANT: Stern, David M.
; APPLICANT: Schmidt, Ann Marie
; APPLICANT: Wu, Jun
; TITLE OF INVENTION: METHOD FOR TREATING SYMPTOMS OF DIABETES
; FILE REFERENCE: 0575/50159
; CURRENT APPLICATION NUMBER: US/08/755,235
; CURRENT FILING DATE: 1996-11-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-08-755-235-4

Query Match 6.7%; Score 140; DB 8; Length 405;
Best Local Similarity 23.7%; Pred. No. 0.0021;
Matches 78; Conservative 34; Mismatches 93; Indels 124; Gaps 16;
QY 64 EPIITNRETS-----QRYDQGNFT--SEMIHNVFSPDSGNIR-----CSLQNSRLHGS 112
Db 162 KPLVPNEKGVSKQTRHPETGLTLQSELM---VTPARGDPRPTFCFSFSPGLPRHR 218
QY 113 AYLTVQVMGELFIP-----SVNLVVAENEP-----CEVCLPSHWTWLPDIS 154
Db 219 ALRTAPIQPRWEPVPLEVQLV---EPEGGAVAPGTVTLTCEVPAQPS-----PQIH 270
QY 155 WELGLLVSHSSYYFVPEPSDLQSAVILALTPQSNGLTLCVATWKSILKARKS-ATVNLTV 213
Db 271 WMKD-----GVPLPLPSPVLIILPEIGPOQGGYSCVATHSHGQPQSRVAVLSI 321
QY 214 IRCPDQGTGGGINIPGVLSLPSLGSFLPTWKGVLGLAGTMLLT-----PTCTLTIRC 266
Db 322 IE-PGEG-----PTAGSVGSGGLTALALGILGLGTAALLIGV 361
QY 267 CCRRRCGCCNCCRCFCRRKRGFRIOFKKSEKKT--NKETETESGNENSGYNSDE 324
Db 362 ILWQRR-----QRRGERKAPENQEEEEERABLN----- 390
QY 325 QKTTDTASLPKSCSSDPQNRSSCGPP 353
Db 391 -----QSEPEAGESSTGGP 405

RESULT 6
US-10-184-644-559
; Sequence 559, Application US/10184644
; Publication No. US20030044930A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227

; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-559
Query Match 6.6%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.032;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;
QY 183 ALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFLPT 242
Db 2274 AATGAAGTTTCAATTAATAATTTAATATGTTTC----- 2307
QY 243 WGVGLGLAGTMLLTPTCTLTIRCCCR-RRCCGNCNCCRCFC 286
Db 2308 -----ATTCTCATCGCCACCCACCCCGCCGCCACCACC 2344

RESULT 7
US-10-184-634-559
; Sequence 559, Application US/10184634
; Publication No. US2003006864A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 559
; LENGTH: 2473
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-634-559

Query Match 6.6%; Score 138.5; DB 14; Length 2473;
Best Local Similarity 29.5%; Pred. No. 0.032;
Matches 31; Conservative 3; Mismatches 36; Indels 35; Gaps 2;
QY 183 ALTPQSNGLTLCVATWKSILKARKSATVNLTVIRCPQDTGGGINIPGVLSLPSLGSFLPT 242
Db 2274 AATGAAGTTTCAATTAATAATTTAATATGTTTC----- 2307
QY 243 WGVGLGLAGTMLLTPTCTLTIRCCCR-RRCCGNCNCCRCFC 286
Db 2308 -----ATTCTCATCGCCACCCACCCCGCCGCCACCACC 2344
RESULT 8
US-10-274-583-20
; Sequence 20, Application US/10274583
; Publication No. US20030138431A1
; GENERAL INFORMATION:
; APPLICANT: Exelixis, Inc.
; TITLE OF INVENTION: LRRCAPS AS MODIFIERS OF THE P53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-119C


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Db      322 VAGEVKTQVTLRYFGSPARPTFVIQPNQTEVLVGESVTLKCSATGHPPPRISWTRGDRT 381
QY      57  VLSVPMPEIITNDRFTSQRDQGNFTSEMIHNVPSDSGNIRCSLQNS--RLHGSAY 114
Db      382 PLPVDPRVNIITPS-----GG-----LYIQNVVQDGSGEYACSATNNIDSVHATAF 426
QY      115 LTVQVMGELFIPSVNLVVAENE---PCEVTCLPSSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db      427 IIVQALPQFTVTPQDRVIEGTVDVFCQEAKNPP-----PVIATWKGQSQLSVDRRHIV 481
QY      170 PEPSDLOSASVILALTPOSNGTLTCVATWKSFKARKSATVNLTV-----IRCPQDT- 220
Db      482 LSSGTLR--ISGVALHDQ--GOVEQAV--NIIGSKVVAHLTVQPRVTPVFASIPSDTT 535
QY      221 ---GGGINIPGVLSPLSLGSLP--TWGKVGLGI--AGTMLLPTCTVITI----- 264
Db      536 VEVGANVQLP-----CSSQGEPEFAITWNKDGQVQVTSKGKEPHISPEGLTINDVPADAG 590
QY      265 RCCCCRRRCOG 275
Db      591 RYECVARNTIG 601

RESULT 10
US-10-211-462-87
; Sequence 87, Application US/10211462
; Publication No. US20040033495A1
; GENERAL INFORMATION:
; APPLICANT: Murray, Richard
; APPLICANT: Glynnne, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Aziz, Natasha
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and
; TITLE OF INVENTION: Methods of Screening for Angiogenesis Modulators
; FILE REFERENCE: 018501-006200US
; CURRENT APPLICATION NUMBER: US/10/211,462
; CURRENT FILING DATE: 2003-02-13
; PRIOR APPLICATION NUMBER: US 09/784,356
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: US 09/791,390
; PRIOR FILING DATE: 2001-02-22
; PRIOR APPLICATION NUMBER: US 60/310,025
; PRIOR FILING DATE: 2001-08-03
; PRIOR APPLICATION NUMBER: US 60/334,244
; PRIOR FILING DATE: 2001-11-29
; NUMBER OF SEQ ID NOS: 230
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 87
; LENGTH: 1496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-211-462-87

Query Match      6.6%; Score 138; DB 12; Length 1496;
Best Local Similarity 25.1%; Pred. No. 0.018;
Matches      78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY      2  VACAMENRDP-----GSGSNEVIEGPONARVLKSOARPNCTVS--QGKWLIMWALSDMV 56
Db      339 VAGEVKTQVTLRYFGSPARPTFVIQPNQTEVLVGESVTLKCSATGHPPPRISWTRGDRT 398
QY      57  VLSVRMPEIITNDRFTSQRDQGNFTSEMIHNVPSDSGNIRCSLQNS--RLHGSAY 114
Db      399 PLPVDPRVNIITPS-----GG-----LYIQNVVQDGSGEYACSATNNIDSVHATAF 443
QY      115 LTVQVMGELFIPSVNLVVAENE---PCEVTCLPSSHWTWLPDISW-ELGLLVSHSSYYFV 169
Db      444 IIVQALPQFTVTPQDRVIEGTVDVFCQEAKNPP-----PVIATWKGQSQLSVDRRHIV 498
QY      170 PEPSDLOSASVILALTPOSNGTLTCVATWKSFKARKSATVNLTV-----IRCPQDT- 220
Db      499 LSSGTLR--ISGVALHDQ--GOVEQAV--NIIGSKVVAHLTVQPRVTPVFASIPSDTT 552

```


Fri Aug 6 08:39:26 2004

APPLICANT: PHILLIPS, HEIDI S.
 APPLICANT: POLAKIS, PAUL
 APPLICANT: SMITH, VICTORIA
 APPLICANT: SPENCER, SUSAN D.
 APPLICANT: WILLIAMS, P. MICKEY
 APPLICANT: WU, THOMAS D.
 APPLICANT: ZHANG, ZEMIN
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
 TITLE OF INVENTION: TREATMENT OF TUMOR
 FILE REFERENCE: P5014R1-PCT
 CURRENT APPLICATION NUMBER: US/10/331,496A
 CURRENT FILING DATE: 2002-12-30
 PRIOR APPLICATION NUMBER: US 60/345,444
 PRIOR FILING DATE: 2002-01-02
 PRIOR APPLICATION NUMBER: US 60/351,885
 PRIOR FILING DATE: 2002-01-25
 PRIOR APPLICATION NUMBER: US 60/360,066
 PRIOR FILING DATE: 2002-02-25
 PRIOR APPLICATION NUMBER: US 60/362,004
 PRIOR FILING DATE: 2002-03-05
 PRIOR APPLICATION NUMBER: US 60/366,869
 PRIOR FILING DATE: 2002-03-20
 PRIOR APPLICATION NUMBER: US 60/366,284
 PRIOR FILING DATE: 2002-03-21
 PRIOR APPLICATION NUMBER: US 60/368,679
 PRIOR FILING DATE: 2002-03-28
 PRIOR APPLICATION NUMBER: US 60/404,809
 PRIOR FILING DATE: 2002-08-19
 PRIOR APPLICATION NUMBER: US 60/405,645
 PRIOR FILING DATE: 2002-08-21
 NUMBER OF SEQ ID NOS: 95
 SEQ ID NO 28
 LENGTH: 1496
 TYPE: PRT
 ORGANISM: Homo sapien
 US-10-331-496A-28

RESULT 11

US-10-021-660-125
 ; Sequence 125, Application US/10021660
 ; Publication No. US20030152926A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Murray, Richard
 ; APPLICANT: Glynn, Richard
 ; APPLICANT: Watson, Susan R.
 ; APPLICANT: EOS Biotechnology, Inc.
 ; TITLE OF INVENTION: No. US20030152926A1 Methods of Diagnosis of Angiogenesis,
 ; TITLE OF INVENTION: Compositions and Methods of Screening for Angiogenesis
 ; TITLE OF INVENTION: Modulators
 ; FILE REFERENCE: 018501-000710US
 ; CURRENT APPLICATION NUMBER: US/10/021,660
 ; CURRENT FILING DATE: 2001-12-06
 ; PRIOR APPLICATION NUMBER: US/09/784,356
 ; PRIOR FILING DATE: 2001-02-14
 ; PRIOR APPLICATION NUMBER: US 09/637,977
 ; PRIOR FILING DATE: 2000-08-11
 ; NUMBER OF SEQ ID NOS: 135
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 125
 ; LENGTH: 1496
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-021-660-125

Query Match 6.6%; Score 138; DB 14; Length 1496;
 Best Local Similarity 25.1%; Pred. No. 0.018;
 Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDPDP-----GSGSGNEVTEGPNARVLKGSQARFNCTVS-QGWKLIMWALSMDV 56
 DB 339 VAGEVKTQEVTLRVFGSPARTFVIOQNTVEVLGSEVTLCSATGHPPPRISWTRGRT 398
 QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVPSDSGNIRCSLONS--RLHGSAY 114
 DB 399 PLVDPFRVNIIPS-----GG-----LVIQNVQDGEYACSATNNIDSVHATAF 443
 QY 115 LTVQVMGELFIPSVNLVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYFV 169
 DB 444 IIVQALPQFTVTPQDRVVEIGQTVDFQCEAKGNPP-----PVIATWKGSGQLSVDRRHLY 498
 QY 170 PEPSDQSAVSLTALTPQSNGLTLCVATWKSILKARKSATVNLTV-----IRCPQDT- 220
 DB 499 LSSGTLR--ISGVALHDQ--GQYEQAV--NIIGSKVVAHITVQPRVTFVFAISPSDTT 552
 QY 221 ---GGGINIPGVLSLPSLGFSLP--TWKVGVLGL--ACTMLLTPTCTITI----- 264
 DB 553 VEVGANVQLP-----CSSQGEPEPAITWNKQGVQVTEGKFIHSPGFLTINDVGPADAG 607
 QY 265 RCCCRRRCRG 275
 DB 608 RYECVARNTIG 618

RESULT 12

US-10-331-496A-28
 ; Sequence 28, Application US/10331496A
 ; Publication No. US20030228305A1
 ; GENERAL INFORMATION:
 ; APPLICANT: FRANTZ, GRETCHEN
 ; APPLICANT: HILLAN, KENNETH J.

Query Match 6.6%; Score 138; DB 15; Length 1496;
 Best Local Similarity 25.1%; Pred. No. 0.018;
 Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;

QY 2 VAGAMENRDPDP-----GSGSGNEVTEGPNARVLKGSQARFNCTVS-QGWKLIMWALSMDV 56
 DB 339 VAGEVKTQEVTLRVFGSPARTFVIOQNTVEVLGSEVTLCSATGHPPPRISWTRGRT 398
 QY 57 VLSVRPMEPIITNDRFTSQRYDQGNFTSEMIHNVPSDSGNIRCSLONS--RLHGSAY 114
 DB 399 PLVDPFRVNIIPS-----GG-----LVIQNVQDGEYACSATNNIDSVHATAF 443
 QY 115 LTVQVMGELFIPSVNLVAENE-----PCEVTCLPSHWTWLPDISW-ELGLLVSHSSYFV 169
 DB 444 IIVQALPQFTVTPQDRVVEIGQTVDFQCEAKGNPP-----PVIATWKGSGQLSVDRRHLY 498
 QY 170 PEPSDQSAVSLTALTPQSNGLTLCVATWKSILKARKSATVNLTV-----IRCPQDT- 220
 DB 499 LSSGTLR--ISGVALHDQ--GQYEQAV--NIIGSKVVAHITVQPRVTFVFAISPSDTT 552
 QY 221 ---GGGINIPGVLSLPSLGFSLP--TWKVGVLGL--ACTMLLTPTCTITI----- 264
 DB 553 VEVGANVQLP-----CSSQGEPEPAITWNKQGVQVTEGKFIHSPGFLTINDVGPADAG 607
 QY 265 RCCCRRRCRG 275
 DB 608 RYECVARNTIG 618

RESULT 13

US-10-276-774-1957
 ; Sequence 1957, Application US/10276774
 ; Publication No. US20040053245A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hyseq, Inc.
 ; APPLICANT: Tang, Y, Tom et al

;; TITLE OF INVENTION: NO. US20040053245A1el Nucleic Acids and Polypeptides
;; FILE REFERENCE: 21272-030
;; CURRENT APPLICATION NUMBER: US/10/276,774
;; CURRENT FILING DATE: 2002-11-18
;; PRIOR APPLICATION NUMBER: 09/560,875
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: 09/496,914
;; PRIOR FILING DATE: 2000-02-03
;; NUMBER OF SEQ ID NOS: 2700
;; SOFTWARE: Custom
;; SEQ ID NO 1957
;; LENGTH: 1498
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-276-774-1957

Query Match 6.6%; Score 138; DB 12; Length 1498;
Best Local Similarity 25.1%; Pred. No. 0.018;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;
QY 2 VAGAMENRDP-----GSGSGNEVIEGPNARVLKGSQAREFNCTVS--QGWKLIMWALSDMV 56
Db 339 VAGEVKTQEVTLRYFGSPARTFVIQPNTEVLVGESVTLLECSATGHPPPRISWTRGDR 398
QY 57 VLSVRPMEPIITNDRFTSORYDOGNFTSEMIHNVEPDSGNIRCSLQNS--RLHGSAY 114
Db 399 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSGEYACSATNNIDSVHATAF 443
QY 115 LTQVMGELFIPSNVLVAENE-----PCEVTCLPSSHWTWLPDISW--ELGLLVSHSSYFV 169
Db 444 IIVQALPQFTVTPQDRVVIEGQTVDFQCEAKGNPP-----PVIATKGGSQLSVDRRHV 498
QY 170 PEPSDLSQSAVILALTPQSNGLTLCVATWKSARKSATVNLTV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDQ--GQVECAV--NIIGSQKVAHLTVQPRVTFVFASIPSDTT 552
QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVGGLL--AGTMLTPTCTLT----- 264
Db 553 VEYGANVQLP-----CSSQGEPEFAITWNKGVQVTEGKHFISPEGFLTINDVGPADAG 607
QY 265 RCCCCRRRCG 275
Db 608 RYECVARNTIG 618

RESULT 14
US-10-243-552-899
; Sequence 899, Application US/10243552
; Publication No. US20030224379A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Zhiwei
; APPLICANT: Weng, Gezhi
; APPLICANT: Ma, Yungqing
; TITLE OF INVENTION: Novel Nucleic Acids and
; Polypeptides
; FILE REFERENCE: 807A
; CURRENT APPLICATION NUMBER: US/10/243,552
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 60/322,511
; PRIOR FILING DATE: 2001-09-13
; PRIOR APPLICATION NUMBER: PCT/US00/35017
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: PCT/US01/03800

;; PRIOR FILING DATE: 2001-02-05
;; PRIOR APPLICATION NUMBER: US 09/496,914
;; PRIOR FILING DATE: 2000-02-03
;; PRIOR APPLICATION NUMBER: US 09/560,875
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: PCT/US01/04927
;; PRIOR FILING DATE: 2001-02-26
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 998
;; SOFTWARE: pt_FL_genes Version 5.0
;; SEQ ID NO 899
;; LENGTH: 1498
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-243-552-899

Query Match 6.6%; Score 138; DB 12; Length 1498;
Best Local Similarity 25.1%; Pred. No. 0.018;
Matches 78; Conservative 38; Mismatches 127; Indels 68; Gaps 17;
QY 2 VAGAMENRDP-----GSGSGNEVIEGPNARVLKGSQAREFNCTVS--QGWKLIMWALSDMV 56
Db 339 VAGEVKTQEVTLRYFGSPARTFVIQPNTEVLVGESVTLLECSATGHPPPRISWTRGDR 398
QY 57 VLSVRPMEPIITNDRFTSORYDOGNFTSEMIHNVEPDSGNIRCSLQNS--RLHGSAY 114
Db 399 PLPVDPRVNITPS-----GG-----LYIQNVVQSGSGEYACSATNNIDSVHATAF 443
QY 115 LTQVMGELFIPSNVLVAENE-----PCEVTCLPSSHWTWLPDISW--ELGLLVSHSSYFV 169
Db 444 IIVQALPQFTVTPQDRVVIEGQTVDFQCEAKGNPP-----PVIATKGGSQLSVDRRHV 498
QY 170 PEPSDLSQSAVILALTPQSNGLTLCVATWKSARKSATVNLTV-----IRCPQDT- 220
Db 499 LSSGTLR--ISGVALHDQ--GQVECAV--NIIGSQKVAHLTVQPRVTFVFASIPSDTT 552
QY 221 ---GGGINIPGVLSLPSLGFSLP--TWGKVGGLL--AGTMLTPTCTLT----- 264
Db 553 VEYGANVQLP-----CSSQGEPEFAITWNKGVQVTEGKHFISPEGFLTINDVGPADAG 607
QY 265 RCCCCRRRCG 275
Db 608 RYECVARNTIG 618

RESULT 15
US-10-116-275-240
; Sequence 240, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Eian Pharmaceutical Technology
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; Compositions Targeting Peyer's Patches and M Cell Receptors
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 240
; LENGTH: 750
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-116-275-240

Query Match 6.5%; Score 136; DB 15; Length 750;
Best Local Similarity 25.1%; Pred. No. 0.011;
Matches 62; Conservative 34; Mismatches 101; Indels 50; Gaps 10;

Fri Aug 6 08:39:26 2004

9	RDPPSGSGNEV----	-----IEGPONARVLKGSQARFNCTVSGW--KLIMW	50
215	RNPASRTGNEAEVRILSDPGLHRLQFLQRPVSNVAIEKDAVLECCVS-GYPPSPFTW	273	
51	ALSDMTVLVSRPEPIITNDRFTFSORDQGGNTSEMIHNVEPDSGNIRC--SLQNSR	108	
274	LRGEEVI-----	QLRSKYSLGG--SNLLISNVITDDSGMYTCVVYTKNEN	318
109	LHGSAYLTVQVMGELFIPSVNLVAENEPCEVTCLPSSHWTWLPDISW-ELGLLVSHSYY	167	
319	IGASAEILTVLPWFNLHPNLNAYESMDIEFFECTVSGKP-VPTVNMKGGVVPISDYF	377	
168	FYPEPSDLQSAVSILALTPOSGNGLTCVATWKSUKARKSATVNLTVRCQDQTGGGINIP	227	
378	QIVGGGNLR-----	ILGVVKSDEGFYQCVAENAGNAQTSAGLIVPKPAIFSSS-----	426
228	GVLSSLP	234	
427	-VLPESAP	432	

Search completed: July 30, 2004, 15:15:39
Job time : 41.4731 secs

Result No.	Query			DB	ID	Description
	Score	Match	Length			
C 1	51.8	4.2	397	3	US-09-253-691-3	Sequence 3, Appli
C 2	48.2	3.9	325	2	US-08-531-927B-3	Sequence 3, Appli
C 3	47.6	3.8	2733	4	US-08-997-685A-1	Sequence 1, Appli
C 4	44.8	3.6	253	4	US-09-491-356C-13	Sequence 13, Appl
C 5	44.8	3.6	265	4	US-09-491-356C-14	Sequence 14, Appl
C 6	44.8	3.6	265	4	US-09-491-356C-16	Sequence 16, Appl
C 7	44.8	3.6	265	4	US-09-491-356C-17	Sequence 17, Appl
C 8	44.8	3.6	265	4	US-09-491-356C-18	Sequence 18, Appl
C 9	44.8	3.6	6794	4	US-09-491-356C-2	Sequence 2, Appli
C 10	44.8	3.6	55298	4	US-09-491-356C-1	Sequence 1, Appli
C 11	44.2	3.6	319608	4	US-09-539-333D-1	Sequence 1, Appli
C 12	44.2	3.6	319608	4	US-09-679-403-1	Sequence 1, Appli
C 13	43.4	3.5	3302	4	US-09-620-312D-475	Sequence 475, Appl
C 14	43.2	3.5	2294	4	US-09-086-663A-70	Sequence 70, Appl
C 15	43.2	3.5	3334	4	US-09-086-663A-1	Sequence 1, Appli
C 16	43	3.5	6558	4	US-09-491-356C-7	Sequence 7, Appli
C 17	42.8	3.5	1776	2	US-08-531-927B-1	Sequence 1, Appli
C 18	42.8	3.5	1776	3	US-09-041-886-12	Sequence 12, Appl
C 19	42.8	3.5	392000	4	US-10-027-983-11	Sequence 11, Appl
C 20	42.6	3.4	1037	4	US-09-181-585-3	Sequence 3, Appli
C 21	42.6	3.4	1159	4	US-09-181-585-1	Sequence 1, Appli
C 22	42.6	3.4	1471	4	US-09-181-585-2	Sequence 2, Appli
C 23	42.6	3.4	3292	1	US-07-814-964-12	Sequence 12, Appl
C 24	42.6	3.4	3292	1	US-08-258-442-12	Sequence 12, Appl
C 25	42.6	3.4	3292	1	US-08-328-809-7	Sequence 7, Appli
C 26	42.6	3.4	3292	4	US-08-866-840-7	Sequence 7, Appli
C 27	42.6	3.4	3292	5	PCT-US92-11107-12	Sequence 12, Appl

100

; LENGTH: 6794

LOCATION: 29388..29502
OTHER INFORMATION: exon D g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 29967..30282
OTHER INFORMATION: exon E g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 64666..64812
OTHER INFORMATION: exon F g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 65505..65853
OTHER INFORMATION: exon G g35018 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 65854..67854
OTHER INFORMATION: 3'regulatory region g35018 gene
FEATURE:
NAME/KEY: exon
LOCATION: 94124..94964
OTHER INFORMATION: exon g35017
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LOCATION: 201188..201234
OTHER INFORMATION: exon S g35030 gene
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FEATURE:
NAME/KEY: exon
LOCATION: 215702..215746
OTHER INFORMATION: exon U g35030 gene
FEATURE:
NAME/KEY: exon
LOCATION: 216836..216915
OTHER INFORMATION: exon V g35030 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 213818..215818
OTHER INFORMATION: 3'regulatory region g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 215819..215941
OTHER INFORMATION: exon R complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 215819..215975
OTHER INFORMATION: exon Rbis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 216661..216952
OTHER INFORMATION: exon Qbis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 216661..217061
OTHER INFORMATION: exon Q complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 217027..217061
OTHER INFORMATION: exon Q1 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 229647..229742
OTHER INFORMATION: exon X complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 230408..230721
OTHER INFORMATION: exon P complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 231272..231412

OTHER INFORMATION: exon Obis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 231787..231880
OTHER INFORMATION: exon O2 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 231870..231879
OTHER INFORMATION: exon O1 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 234174..234321
OTHER INFORMATION: exon O complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 237406..237428
OTHER INFORMATION: exon Nbis complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 239719..239807
OTHER INFORMATION: exon N2 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 239719..239853
OTHER INFORMATION: exon N complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240569
OTHER INFORMATION: exon M117 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240596
OTHER INFORMATION: exon M1090 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240617
OTHER INFORMATION: exon M1069 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240644
OTHER INFORMATION: exon MS2 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240824
OTHER INFORMATION: exon M862 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..240994
OTHER INFORMATION: exon M692 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240528..241685
OTHER INFORMATION: exon M1 complement g34872 gene
FEATURE:
NAME/KEY: exon
LOCATION: 240800..240993
OTHER INFORMATION: exon MS1 complement g34872 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 241686..243685
OTHER INFORMATION: 5'regulatory region g34872 gene
FEATURE:
NAME/KEY: misc feature
LOCATION: 290852..292652
OTHER INFORMATION: 3'regulatory region g34665 gene
FEATURE:
NAME/KEY: exon
LOCATION: 292653..292841

Query Match 3.6%; Score 44.2; DB 4; Length 319608;
Best Local Similarity 66.0%; Pred. No. 0.22;
Matches 64; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 24 TGGATCAGTTTCTTAGGCTGCCATAACAAAGCACCATAACCTGGTGGCTTTAGAACATGG 83
Db 31167 TGTATTAGTCTCTTTGGCTGCCATATAAATACACACTGCTGGTGGCTTTGAACAACAT 31108
QY 84 AAAGGATTGCTCAGCGTTTCCAGAGCTCTAGGTTTC 120
Db 31107 AAACCTATTCTTCACAGTTCTTAGGGGCTGGAATCC 31071

RESULT 12
US-09-679-409-1/c
; Sequence 1, Application US/09679409
; Patent No. 6555316
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Essieux, Laurent
; TITLE OF INVENTION: SCHIZOPHRENIA ASSOCIATED GENE, PROTEINS AND BIALLELIC MARKERS
; FILE REFERENCE: 53 US15.CIP
; CURRENT APPLICATION NUMBER: US/09/679,409
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 09/539,333
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 09/416,384
; PRIOR FILING DATE: 1999-10-12
; PRIOR APPLICATION NUMBER: 60/168,088
; PRIOR FILING DATE: 1999-11-30
; NUMBER OF SEQ ID NOS: 134
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 319608
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 199122..201122
; OTHER INFORMATION: 5'regulatory region
; NAME/KEY: exon
; LOCATION: 201123..201234
; OTHER INFORMATION: exon S
; NAME/KEY: exon
; LOCATION: 201123..201560
; OTHER INFORMATION: exon S2
; NAME/KEY: exon
; LOCATION: 214576..214793
; OTHER INFORMATION: exon T
; NAME/KEY: exon
; LOCATION: 215702..215746
; OTHER INFORMATION: exon U
; NAME/KEY: exon
; LOCATION: 216836..216994
; OTHER INFORMATION: exon V
; NAME/KEY: exon
; LOCATION: 216836..217077
; OTHER INFORMATION: exon V2
; NAME/KEY: exon
; LOCATION: 217671..217764
; OTHER INFORMATION: exon V1
; NAME/KEY: exon
; LOCATION: 227655..227736
; OTHER INFORMATION: exon V4
; NAME/KEY: exon
; LOCATION: 238715..238919
; OTHER INFORMATION: exon V3
; NAME/KEY: exon
; LOCATION: 240440..240673
; OTHER INFORMATION: exon W
; NAME/KEY: exon
; LOCATION: 240440..241153
; OTHER INFORMATION: exon W2
; NAME/KEY: exon

; LOCATION: 241072..241291
; OTHER INFORMATION: exon X
; NAME/KEY: exon
; LOCATION: 244353..244561
; OTHER INFORMATION: exon Y
; NAME/KEY: exon
; LOCATION: 246273..247802
; OTHER INFORMATION: exon Z
; NAME/KEY: misc feature
; LOCATION: 247803..249803
; OTHER INFORMATION: 3'regulatory region
; NAME/KEY: allele
; LOCATION: 8316
; OTHER INFORMATION: 99-27943-150 : polymorphic base G or C
; NAME/KEY: allele
; LOCATION: 21672
; OTHER INFORMATION: 99-27935-193 : polymorphic base G or C
; NAME/KEY: allele
; LOCATION: 65485
; OTHER INFORMATION: 8-128-33 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 95396
; OTHER INFORMATION: 99-31960-363 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 107281
; OTHER INFORMATION: 99-24656-260 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 160640
; OTHER INFORMATION: 99-24639-163 : polymorphic base A or C
; NAME/KEY: allele
; LOCATION: 160876
; OTHER INFORMATION: 99-24634-108 : polymorphic base A or T
; NAME/KEY: allele
; LOCATION: 168974
; OTHER INFORMATION: 99-7652-162 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 170810
; OTHER INFORMATION: 99-16100-147 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 173358
; OTHER INFORMATION: 99-5862-167 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 189957
; OTHER INFORMATION: 99-5919-215 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 197163
; OTHER INFORMATION: 99-24658-410 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 200778
; OTHER INFORMATION: 8-303-235 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 202651
; OTHER INFORMATION: 8-300-221 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 202679
; OTHER INFORMATION: 8-300-193 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 203378
; OTHER INFORMATION: 8-299-128 : polymorphic base A or T
; NAME/KEY: allele
; LOCATION: 204138
; OTHER INFORMATION: 8-296-213 : polymorphic base A or T
; NAME/KEY: allele
; LOCATION: 204605
; OTHER INFORMATION: 8-252-190 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 204934
; OTHER INFORMATION: 99-24644-194 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 205206
; OTHER INFORMATION: 8-295-248 : polymorphic base A or C
; NAME/KEY: allele
; LOCATION: 205329

OTHER INFORMATION: 8-295-125 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 206064
OTHER INFORMATION: 8-293-130 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 206545
OTHER INFORMATION: 8-292-198 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 207313
OTHER INFORMATION: 8-251-322 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 208285
OTHER INFORMATION: 8-289-322 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 208960
OTHER INFORMATION: 8-287-249 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 209123
OTHER INFORMATION: 8-287-86 : polymorphic base A or T
NAME/KEY: allele
LOCATION: 209631
OTHER INFORMATION: 8-285-319 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 210361
OTHER INFORMATION: 8-283-278 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 210463
OTHER INFORMATION: 8-283-176 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 210486
OTHER INFORMATION: 8-283-153 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 210583
OTHER INFORMATION: 8-283-56 : polymorphic base C or T
NAME/KEY: allele
LOCATION: 210879
OTHER INFORMATION: 8-282-345 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 210964
OTHER INFORMATION: 8-282-260 : polymorphic base G or T
NAME/KEY: allele
LOCATION: 210979
OTHER INFORMATION: 8-282-245 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 211050
OTHER INFORMATION: 8-282-174 : variable motif AAAGG or GAAGGAGGAGGAGGAGGA
NAME/KEY: allele
LOCATION: 211132
OTHER INFORMATION: 8-282-92 : polymorphic base A or T
NAME/KEY: allele
LOCATION: 211247
OTHER INFORMATION: 8-281-367 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 211315
OTHER INFORMATION: 8-281-299 : polymorphic base A or G
NAME/KEY: allele
LOCATION: 211366
OTHER INFORMATION: 8-281-248 : polymorphic base G or C
NAME/KEY: allele
LOCATION: 212520
OTHER INFORMATION: 8-279-197 : polymorphic base A or C
NAME/KEY: allele
LOCATION: 212821
OTHER INFORMATION: 8-278-289 : polymorphic base C or T
NAME/KEY: allele

Query Match 3.6%; Score 44.2; DB 4; Length 319608;
Best Local Similarity 66.0%; Pred. No. 0.22;
Matches 64; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 24 TGGATCACTTCTTGGCTGCATTAACAAAGCACCATAACCTGGTGGCTTAGAACATGG 83
DB 31167 TGTATTAGTCTTTGGCTGCATTAACAAAGCACCATAACCTGGTGGCTTAGAACAT 31108

QY 84 AAAGGATTGCTCAGGTTCCAGAGCTGTAGGTTTC 120
DB 31107 AAACCTATTTTCTCAGTTCTAGGGGCTGGAATCC 31071

RESULT 13

US-09-620-312D-475/c
Sequence 475, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pc_FL_genes Version 1.0
SEQ ID NO 475
LENGTH: 3302
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (98)..(2563)
US-09-620-312D-475

Query Match 3.5%; Score 43.4; DB 4; Length 3302;
Best Local Similarity 69.4%; Pred. No. 0.021; Mismatches 0; Gaps 0;
Matches 59; Conservative 0; Indels 26; Gaps 0;

QY 873 GCTGCTGCTGCTGCGCGCTGTTTGTGGTGCACACTGCTGCGGTTGTTTCT 932
DB 527 GCTGCTGCTGCTGCTGCTGTTGTTGTTGCTGCTGCTGCTGCTGCTGCT 468
QY 933 GCTGTAGNAGAAAAGAGGATTTCG 957
DB 467 GCTGCTGCTGCTGAGGATGACG 443

RESULT 14

US-09-086-663A-70/c
Sequence 70, Application US/09086663A
Patent No. 6518063
GENERAL INFORMATION:
APPLICANT: DUCY, PATRICIA
APPLICANT: KARSENY, GERARD
TITLE OF INVENTION: OSF2/CBEAL COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UFS5:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189


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; PRIOR FILING DATE: 1998-03-24
; PRIOR APPLICATION NUMBER: 60/048,430
; PRIOR FILING DATE: 1997-05-29
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
; LENGTH: 2294
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1644)
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
;
US-09-086-663A-70

Query Match      3.5%; Score 43.2; DB 4; Length 2294;
Best Local Similarity 79.7%; Pred. No. 0.019;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      873  GCTGCTGCTGCGCGCGTGTGTGTTGGCTGCAACTGCTGCGCGTGTGTTTCT 932
Db      226  GCTGCTGCTGCTGCTGCTGTTGTGCTGCTGCTGCTGCTGCTGCTGCT 167

QY      933  GCTG 936
Db      166  GCTG 163

RESULT 15
US-09-086-663A-1/c
; Sequence 1, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
; APPLICANT: DUCY, PATRICIA
; APPLICANT: KARSENTY, GERARD
; TITLE OF INVENTION: OSF2/CBEA1 COMPOSITIONS AND METHODS OF USE
; FILE REFERENCE: UTSC:525
; CURRENT APPLICATION NUMBER: US/09/086,663A
; CURRENT FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 60/080,189
; PRIOR FILING DATE: 1998-03-24
; PRIOR APPLICATION NUMBER: 60/048,430
; PRIOR FILING DATE: 1997-05-29
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3334
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
;
US-09-086-663A-1

Query Match      3.5%; Score 43.2; DB 4; Length 3334;
Best Local Similarity 79.7%; Pred. No. 0.024;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY      873  GCTGCTGCTGCGCGCGTGTGTGTTGGCTGCAACTGCTGCGCGTGTGTTTCT 932
Db      534  GCTGCTGCTGCTGCTGCTGTTGTGCTGCTGCTGCTGCTGCTGCTGCT 475

QY      933  GCTG 936
Db      474  GCTG 471

Search completed: August 6, 2004, 14:50:27
Job time : 98.902 secs

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Result No.	Query			DB	ID	Description
	Score	Match	Length			
C 1	51.8	4.4	397	3	US-09-253-691-3	Sequence 3, Appli
C 2	48.2	4.1	325	2	US-08-531-927B-3	Sequence 3, Appli
C 3	47.6	4.1	2733	4	US-08-997-688A-1	Sequence 13, Appli
C 4	44.8	3.8	253	4	US-09-491-356C-13	Sequence 14, Appli
C 5	44.8	3.8	265	4	US-09-491-356C-14	Sequence 14, Appli
C 6	44.8	3.8	265	4	US-09-491-356C-16	Sequence 16, Appli
C 7	44.8	3.8	265	4	US-09-491-356C-17	Sequence 17, Appli
C 8	44.8	3.8	265	4	US-09-491-356C-18	Sequence 18, Appli
C 9	44.8	3.8	6794	4	US-09-491-356C-2	Sequence 2, Appli
C 10	44.8	3.8	52998	4	US-09-491-356C-1	Sequence 1, Appli
C 11	43.4	3.7	3302	4	US-09-620-312D-475	Sequence 475, Appli
C 12	43.2	3.7	2294	4	US-09-086-663A-70	Sequence 70, Appli
C 13	43.2	3.7	3334	4	US-09-086-663A-1	Sequence 1, Appli
C 14	43	3.7	6558	4	US-09-491-356C-7	Sequence 7, Appli
C 15	42.8	3.7	1776	2	US-08-531-927B-1	Sequence 1, Appli
C 16	42.8	3.7	1776	3	US-09-041-886-12	Sequence 12, Appli
C 17	42.6	3.6	1037	4	US-09-181-585-3	Sequence 3, Appli
C 18	42.6	3.6	1159	4	US-09-181-585-1	Sequence 1, Appli
C 19	42.6	3.6	1471	4	US-09-181-585-2	Sequence 2, Appli
C 20	42.6	3.6	3292	1	US-07-814-964-12	Sequence 12, Appli
C 21	42.6	3.6	3292	1	US-08-258-442-12	Sequence 12, Appli
C 22	42.6	3.6	3292	1	US-08-328-809-7	Sequence 7, Appli
C 23	42.6	3.6	3292	4	US-08-866-840-7	Sequence 7, Appli
C 24	42.6	3.6	3292	5	PCN-US92-11107-12	Sequence 12, Appli
C 25	42.4	3.6	1836	4	US-09-475-515-47	Sequence 47, Appli
C 26	42.4	3.6	1944	4	US-09-475-515-46	Sequence 46, Appli
C 27	42.4	3.6	2025	4	US-09-475-515-45	Sequence 45, Appli

US-09-491-356C-14

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCCGCTGTTGTGTGGCTGCAACTGCTGCTGCCGTTGTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 6

US-09-491-356C-16/c
; Sequence 16, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-16

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCCGCTGTTGTGTGGCTGCAACTGCTGCTGCCGTTGTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 7

US-09-491-356C-17/c
; Sequence 17, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 265
; TYPE: DNA

; ORGANISM: Homo sapiens
US-09-491-356C-17

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCCGCTGTTGTGTGGCTGCAACTGCTGCTGCCGTTGTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 8

US-09-491-356C-18/c
; Sequence 18, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-18

Query Match 3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0018;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 801 GCTGCTGCTGCGCCCGCTGTTGTGTGGCTGCAACTGCTGCTGCCGTTGTGTTTCT 860
Db 158 GCTGTTGCTGCTGCTGCTGTTGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 861 GCTG 864
Db 98 GCTG 95

RESULT 9

US-09-491-356C-2/c
; Sequence 2, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 6794


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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-2

Query Match      3.8%; Score 44.8; DB 4; Length 6794;
Best Local Similarity 76.4%; Pred. No. 0.012;
Matches 55; Conservative 0; Mismatches 17; Indels 0; Gaps 0;

Qy 801 GCTGCTGCTGCGCGCGTGTGTGCTGCAACTGCTGCGGTGTGTTCT 860
Db 6349 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 6290

Qy 861 GCTGTAGAGAA 872
Db 6289 GCTGCTGCGCA 6278

RESULT 10
US-09-491-356C-1/c
; Sequence 1, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 55298
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (485)..(485)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (838)..(838)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (16728)..(16728)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (22750)..(22750)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (22756)..(22756)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (28519)..(28519)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (44804)..(44804)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (45002)..(45002)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (54049)..(54049)
; OTHER INFORMATION: n is not determined
; NAME/KEY: misc.feature
; LOCATION: (54226)..(54226)
; OTHER INFORMATION: n is not determined
US-09-491-356C-1

Query Match      3.8%; Score 44.8; DB 4; Length 55298;
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Best Local Similarity 81.2%; Pred. No. 0.043;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 801 GCTGCTGCTGCGCGCGTGTGTGCTGCAACTGCTGCGGTGTGTTCT 860
Db 23944 GCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 23885

Qy 861 GCTG 864
Db 23884 GCTG 23881

RESULT 11
US-09-620-312D-475/c
; Sequence 475, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radojic T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; TITLE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIF2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 475
; LENGTH: 3302
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (98)..(2563)
US-09-620-312D-475

Query Match      3.7%; Score 43.4; DB 4; Length 3302;
Best Local Similarity 69.4%; Pred. No. 0.021;
Matches 59; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

Qy 801 GCTGCTGCTGCGCGCGTGTGTGCTGCAACTGCTGCGGTGTGTTCT 860
Db 527 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 468

Qy 861 GCTGTAGAGAAAAAGAGATTTCG 885
Db 467 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 443

RESULT 12
US-09-086-663A-70/c
; Sequence 70, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
; APPLICANT: DUCY, PATRICIA
```


APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFAI COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 83
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 70
LENGTH: 2294
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1644)
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
US-09-086-663A-70

Query Match 3.7%; Score 43.2; DB 4; Length 2294;
Best Local Similarity 79.7%; Pred. No. 0.019; Mismatches 13; Indels 0; Gaps 0;
Matches 51; Conservative 0

QY 801 GCTGCTGCTGCCCGCTGTTGTGGTGCACACTGCTGCGGTTGTTCT 860
Db |||||
226 GCTGCTGCTGCTGCTGTTGTGTTGTTGTTGTTGTTGTTGTTGTT 167
QY 861 GCTG 864
Db |||||
166 GCTG 163

RESULT 13
US-09-086-663A-1/c
Sequence 1, Application US/09086663A
Patent No. 6518063
GENERAL INFORMATION:
APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFAI COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 83
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 3334
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
US-09-086-663A-1

Query Match 3.7%; Score 43.2; DB 4; Length 3334;
Best Local Similarity 79.7%; Pred. No. 0.024; Mismatches 13; Indels 0; Gaps 0;
Matches 51; Conservative 0

QY 801 GCTGCTGCTGCCCGCTGTTGTGGTGCACACTGCTGCGGTTGTTCT 860
Db |||||
534 GCTGCTGCTGCTGCTGTTGTGTTGTTGTTGTTGTTGTTGTTGTT 475
QY 861 GCTG 864
Db |||||
474 GCTG 471

RESULT 14
US-09-491-356C-7/c
Sequence 7, Application US/09491356C
Patent No. 6566061
GENERAL INFORMATION:
APPLICANT: Philibert, Robert A.
APPLICANT: Ginns, Edward I.
APPLICANT: Delisi, Lynn
TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
FILE REFERENCE: 9465.6US11
CURRENT FILING DATE: 2000-01-26
CURRENT APPLICATION NUMBER: US/09/491,356C
PRIOR APPLICATION NUMBER: PCT/US99/09365
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/083,465
PRIOR FILING DATE: 1998-04-29
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 6558
TYPE: DNA
ORGANISM: Mus musculus
US-09-491-356C-7

Query Match 3.7%; Score 43; DB 4; Length 6558;
Best Local Similarity 77.8%; Pred. No. 0.041; Mismatches 52; Conservative 0; Indels 0; Gaps 0;
Matches 52; Conservative 0

QY 801 GCTGCTGCTGCCCGCTGTTGTGGTGCACACTGCTGCGGTTGTTCT 860
Db |||||
6181 GCTGCTGCTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 6122
QY 861 GCTGTAG 867
Db |||||
6121 GCTGTG 6115

RESULT 15
US-08-531-927B-1/c
Sequence 1, Application US/08531927B
Patent No. 5840491
GENERAL INFORMATION:
APPLICANT: Kakizuka, Akira
TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
Patent No. 5840491
TITLE OF INVENTION: Disease Gene and Uses Thereof
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSER: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,927B
FILING DATE: 21-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP H6-251600
FILING DATE: 21-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: ATH95-01A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240

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OM nucleic - nucleic search, using sw model

Run on: August 6, 2004, 02:24:00 ; Search time 91.8225 Seconds
(without alignments)
7101.389 Million cell updates/sec

Title: US-09-729-264-1
Perfect score: 1175
Sequence: 1 cgtctgcccatctgaataa.....gtaatacaactgtatag 1175

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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4: /cgn2_6/prodata/2/ina/6B COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/prodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	51.8	4.4	397	US-09-253-691-3	Sequence 3, Appli
C 2	48.2	4.1	325	US-08-531-927B-3	Sequence 3, Appli
C 3	47.6	4.1	2733	US-08-997-685A-1	Sequence 1, Appli
C 4	44.8	3.8	253	US-09-491-356C-13	Sequence 13, Appli
C 5	44.8	3.8	265	US-09-491-356C-14	Sequence 14, Appli
C 6	44.8	3.8	265	US-09-491-356C-16	Sequence 16, Appli
C 7	44.8	3.8	265	US-09-491-356C-17	Sequence 17, Appli
C 8	44.8	3.8	265	US-09-491-356C-18	Sequence 18, Appli
C 9	44.8	3.8	6794	US-09-491-356C-2	Sequence 1, Appli
C 10	44.8	3.8	55298	US-09-620-312D-475	Sequence 475, App
C 11	43.4	3.7	3302	US-09-620-312D-70	Sequence 70, Appli
C 12	43.2	3.7	2294	US-09-086-663A-1	Sequence 1, Appli
C 13	43.2	3.7	3334	US-09-086-663A-1	Sequence 1, Appli
C 14	43	3.7	6558	US-09-491-356C-7	Sequence 7, Appli
C 15	42.8	3.6	1776	US-08-531-927B-1	Sequence 1, Appli
C 16	42.8	3.6	1776	US-09-041-886-12	Sequence 12, Appli
C 17	42.6	3.6	1037	US-09-181-585-3	Sequence 3, Appli
C 18	42.6	3.6	1159	US-09-181-585-2	Sequence 2, Appli
C 19	42.6	3.6	1471	US-09-181-585-2	Sequence 1, Appli
C 20	42.6	3.6	3292	US-07-814-964-12	Sequence 12, Appli
C 21	42.6	3.6	3292	US-08-258-442-12	Sequence 12, Appli
C 22	42.6	3.6	3292	US-08-328-809-7	Sequence 7, Appli
C 23	42.6	3.6	3292	US-08-866-840-7	Sequence 7, Appli
C 24	42.6	3.6	3292	PCT-US92-11107-12	Sequence 12, Appli
C 25	42.4	3.6	1836	US-09-475-515-47	Sequence 47, Appli
C 26	42.4	3.6	1944	US-09-475-515-46	Sequence 46, Appli
C 27	42.4	3.6	2025	US-09-475-515-45	Sequence 45, Appli

C 28 41.6 3.5 78 3 US-09-043-303-12 Sequence 12, Appli
C 29 41.6 3.5 203 3 US-09-043-303-7 Sequence 7, Appli
C 30 41.6 3.5 6835 4 US-09-125-635-1 Sequence 1, Appli
C 31 41.2 3.5 379 1 US-09-591-383-5 Sequence 5, Appli
C 32 41.2 3.5 379 1 US-08-145-617-5 Sequence 5, Appli
C 33 41 3.5 3771 1 US-08-185-432-3 Sequence 3, Appli
C 34 41 3.5 3771 1 US-08-185-432-23 Sequence 23, Appli
C 35 41 3.5 5063 1 US-08-185-432-1 Sequence 1, Appli
C 36 40.8 3.5 6177 4 US-08-479-913E-1 Sequence 1, Appli
C 37 40.8 3.5 7257 4 US-09-091-042A-1 Sequence 1, Appli
C 38 40.6 3.5 238 4 US-09-491-356C-15 Sequence 15, Appli
C 39 40.6 3.5 2156 4 US-09-086-663A-78 Sequence 78, Appli
C 40 40.6 3.5 4621 4 US-09-125-635-9 Sequence 9, Appli
C 41 40.4 3.4 484 6 5496550-5 Patent No. 5496550
C 42 40.4 3.4 2674 4 US-09-817-180-1 Sequence 1, Appli
C 43 40.4 3.4 2674 4 US-10-003-295-1 Sequence 1, Appli
C 44 40.4 3.4 10348 2 US-08-457-273B-41 Sequence 41, Appli
C 45 40.4 3.4 10348 3 US-08-556-419-13 Sequence 13, Appli

ALIGNMENTS

RESULT 1
US-09-253-691-3/c
; Sequence 3, Application US/09253691
; Patent No. 6124100
; GENERAL INFORMATION:
; APPLICANT: Dong Kyu JIN
; TITLE OF INVENTION: Diagnostic Method and Kit for Neuropsychiatric Diseases
; FILE OF INVENTION: Using Trinucleotide Repeats Sequence
; FILE REFERENCE: 1942/36
; CURRENT APPLICATION NUMBER: US/09/253,691
; CURRENT FILING DATE: 1999-02-22
; EARLIER APPLICATION NUMBER: KR 98-6,278
; EARLIER FILING DATE: 1996-02-26
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: WordPerfect 6.1/Windows
; SEQ ID NO 3
; LENGTH: 397
; TYPE: DNA
; ORGANISM: human
US-09-253-691-3

Query Match 4.4%; Score 51.8; DB 3; Length 397;
Best Local Similarity 58.9%; Pred. No. 3.9e-05;
Matches 89; Conservative 0; Mismatches 62; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTGCCCGCTGTTGTTGGTGGCAACTGCTGCTGCGTGTGTTTCT 867
Db 200 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 141
QY 868 GCTGTAGAGAGAGAGAGAGGATTTCGTATTCAAATTCAGAAAGAAATCTGAAAAAGAGA 927
Db 140 GCTGTTGCTGCTTTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 81
QY 928 CAAACAAGAAACTGAGACAGAGAAAGTGGAAA 958
Db 80 AACTTAAAGAAATAAATACCATGAGAAA 50

RESULT 2
US-08-531-927B-3/c
; Sequence 3, Application US/08531927B
; Patent No. 5840491
; GENERAL INFORMATION:
; APPLICANT: Kakizuka, Akira
; TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
; TITLE OF INVENTION: Disease Gene and Uses Thereof
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Militia Drive
City: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,927B
FILING DATE: 21-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP H6-251600
FILING DATE: 21-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: ATH95-01A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: modified_base
LOCATION: 145
FEATURE:
NAME/KEY: modified_base
LOCATION: 194
US-08-531-927B-3

Query Match 4.1%; Score 48.2; DB 2; Length 325;
Best Local Similarity 57.8%; Pred. No. 0.00038;
Matches 100; Conservative 2; Mismatches 70; Indels 1; Gaps 1;
QY 792 TGTACTCTTACAATACGCTGCTGCTGCGCGCGTGTGTTGTTGGCTGCAACTGCTGC 851
DB 210 TGTCTGATAGTCCSCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 151
QY 852 TGCGGTGTTGTTCTGCTGTAGAA-GAAAAAGAGATTTCGTATTCAATTTCAAAGAA 910
DB 150 TGTGTGCTGCTTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 91
QY 911 ATCTGAAAG 963
DB 90 AAACCTAAAG 38

RESULT 3
US-08-997-685A-1/c
; Sequence 1, Application US/08997685A
; Patent No. 6551821
; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University
; APPLICANT: Kandel, Eric
; TITLE OF INVENTION: Brain Cyclic Nucleotide Gated Ion Channel and Uses Thereof
; FILE REFERENCE: 0575/54806
; CURRENT APPLICATION NUMBER: US/08/997,685A
; CURRENT FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 2733
; TYPE: DNA
; ORGANISM: mouse
US-08-997-685A-1

Query Match 4.1%; Score 47.6; DB 4; Length 2733;
Best Local Similarity 75.6%; Pred. No. 0.0018;
Matches 59; Conservative 0; Mismatches 19; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
DB 2284 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2225
QY 868 GCTGTAGAAGAAAAAGAG 885
DB 2224 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2225

RESULT 4
US-09-491-356C-13/c
; Sequence 13, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465-6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 13
; LENGTH: 253
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-13

Query Match 3.8%; Score 44.8; DB 4; Length 253;
Best Local Similarity 81.2%; Pred. No. 0.0031;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
DB 158 GCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 99
QY 868 GCTG 871
DB 98 GCTG 95

RESULT 5
US-09-491-356C-14/c
; Sequence 14, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465-6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 14
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens

STREET: Two Militia Drive
City: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,927B
FILING DATE: 21-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP H6-251600
FILING DATE: 21-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: ATH95-01A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 617-861-9540
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 325 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: modified_base
LOCATION: 145
FEATURE:
NAME/KEY: modified_base
LOCATION: 194
US-08-531-927B-3

Query Match 4.1%; Score 48.2; DB 2; Length 325;
Best Local Similarity 57.8%; Pred. No. 0.00038;
Matches 100; Conservative 2; Mismatches 70; Indels 1; Gaps 1;
QY 792 TGTACTCTTACAATACGCTGCTGCTGCGCGCGTGTGTTGTTGGCTGCAACTGCTGC 851
DB 210 TGTCTGATAGTCCSCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 151
QY 852 TGCGGTGTTGTTCTGCTGTAGAA-GAAAAAGAGATTTCGTATTCAATTTCAAAGAA 910
DB 150 TGTGTGCTGCTTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 91
QY 911 ATCTGAAAG 963
DB 90 AAACCTAAAG 38

RESULT 3
US-08-997-685A-1/c
; Sequence 1, Application US/08997685A
; Patent No. 6551821
; GENERAL INFORMATION:
; APPLICANT: The Trustees of Columbia University
; APPLICANT: Kandel, Eric
; TITLE OF INVENTION: Brain Cyclic Nucleotide Gated Ion Channel and Uses Thereof
; FILE REFERENCE: 0575/54806
; CURRENT APPLICATION NUMBER: US/08/997,685A
; CURRENT FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 2733
; TYPE: DNA
; ORGANISM: mouse
US-08-997-685A-1


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US-09-491-356C-14
Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCAACTGCTGCGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 6
US-09-491-356C-16/c
; Sequence 16, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-16

Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCAACTGCTGCGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 7
US-09-491-356C-17/c
; Sequence 17, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-17/c

Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCAACTGCTGCGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 8
US-09-491-356C-18/c
; Sequence 18, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-18

Query Match      3.8%; Score 44.8; DB 4; Length 265;
Best Local Similarity 81.2%; Pred. No. 0.0032;
Matches 52; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 808 GCTGCTGCTGCTGCGCCGCGTGTGTGCTGCAACTGCTGCGCGTGTGTGTTCT 867
    |||||
Db 158 GCTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 867
    |||||
QY 868 GCTG 871
    |||||
Db 98 GCTG 95

RESULT 9
US-09-491-356C-2/c
; Sequence 2, Application US/09491356C
; Patent No. 6566061
; GENERAL INFORMATION:
; APPLICANT: Philibert, Robert A.
; APPLICANT: Ginns, Edward I.
; APPLICANT: Delisi, Lynn
; TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
; FILE REFERENCE: 9465.6US11
; CURRENT APPLICATION NUMBER: US/09/491,356C
; CURRENT FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: PCT/US99/09365
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: 60/083,465
; PRIOR FILING DATE: 1998-04-29
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 6794
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-491-356C-17
```


APPLICANT: KARSENTY, GERARD
TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 83
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 70
LENGTH: 2294
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(1644)
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
US-09-086-663A-70

Query Match 3.7%; Score 43.2; DB 4; Length 2294;
Best Local Similarity 79.7%; Pred. No. 0.03;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTCCGCGTGTGTGTGGTGCAACTGCTGCGTGTGTGTCT 867
Db 226 GCTGCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 167
QY 868 GCTG 871
Db 166 GCTG 163

RESULT 13
US-09-086-663A-1/c
Sequence 1, Application US/09086663A
Patent No. 6518063
GENERAL INFORMATION:
APPLICANT: KARSENTY, GERARD
APPLICANT: DUCY, PATRICIA
FILE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: UTSC:525
CURRENT APPLICATION NUMBER: US/09/086,663A
CURRENT FILING DATE: 1998-05-29
PRIOR APPLICATION NUMBER: 60/080,189
PRIOR FILING DATE: 1998-03-24
PRIOR APPLICATION NUMBER: 60/048,430
PRIOR FILING DATE: 1997-05-29
NUMBER OF SEQ ID NOS: 83
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 3334
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Primer
US-09-086-663A-1

Query Match 3.7%; Score 43.2; DB 4; Length 3334;
Best Local Similarity 79.7%; Pred. No. 0.037;
Matches 51; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTCCGCGTGTGTGTGGTGCAACTGCTGCGTGTGTCT 867
Db 534 GCTGCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 475
QY 868 GCTG 871
Db 474 GCTG 471

RESULT 14
US-09-491-356C-7/c
Sequence 7, Application US/09491356C
Patent No. 6566061
GENERAL INFORMATION:
APPLICANT: Philibert, Robert A.
APPLICANT: Ginns, Edward I.
APPLICANT: Delisi, Lynn
TITLE OF INVENTION: IDENTIFICATION OF POLYMORPHISMS IN THE PCTG4 REGION OF XQ13
FILE REFERENCE: 9465.6US11
CURRENT APPLICATION NUMBER: US/09/491,356C
CURRENT FILING DATE: 2000-01-26
PRIOR APPLICATION NUMBER: PCT/US99/09365
PRIOR FILING DATE: 1999-04-29
PRIOR APPLICATION NUMBER: 60/083,465
PRIOR FILING DATE: 1998-04-29
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.1
SEQ ID NO 7
LENGTH: 6558
TYPE: DNA
ORGANISM: Mus musculus
US-09-491-356C-7
Query Match 3.7%; Score 43; DB 4; Length 6558;
Best Local Similarity 77.8%; Pred. No. 0.062;
Matches 52; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
QY 808 GCTGCTGCTGCTCCGCGTGTGTGTGGTGCAACTGCTGCGTGTGTCT 867
Db 6181 GCTGCTGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 6122
QY 868 GCTGTAG 874
Db 6121 GCTGTAG 6115
RESULT 15
US-08-531-927B-1/c
Sequence 1, Application US/08531927B
Patent No. 5840491
GENERAL INFORMATION:
APPLICANT: Kakizuka, Akira
TITLE OF INVENTION: DNA Sequence Encoding the Machado-Joseph
Patent No. 5840491
TITLE OF INVENTION: Disease Gene and Uses Thereof
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173-4799
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/531,927B
FILING DATE: 21-SEP-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP H6-251600
FILING DATE: 21-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: ATH95-01A
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